OBSERVERS: Morrison die SMITHSONIAN INSTITUTION DIVISION OF BIRDS Ship AT SEA DAILY LOG - E Direction Date 10 AUS 57
Pg.# SPEC IMEN or SPECIES DIR. BAND NO. REMARKS TIME Throughout clay-from ship to 0900-1800 horizon in all directions. flying won't surface particularly Wilsons 200 Induake. flyng about ship & in wake. Cupe Pigeon Dystion cupense small grey bird-med. sige - black wing group) Thort day 102 2-5 in a maybre Kormader Petrol? sitting on Horneyo S! Wilsons Godfly type subjace - flying of as ship approached. innividuals unider; black der der det indichter Brown Berlies 15 morning S.E. 5 HR OBS SI-MNH-958-e Rev. 5-66

,	1	Poris	07334	OBSERVERS:	OBSERVERS:		
Ship Direction			DIV AT S SPECIMEN or		Date Pg.#	11AUG 67	
	SPECIES 1300 0.70 Leachs Wilson GADFEY Caye Pige	1 kgs Rel 3 15P. 340 Joseph Jones	Pel 3	in wake on me KERMADEC? SOOTY?	SHEARWATER		
				2 40	25 0 B S		
						SI-MNH-958-e Rev. 5-66	

				100	045-31331	OBSERVERS:
Ship	ection			DIV AT S	ONIAN INSTITUTION ISION OF BIRDS EA DAILY LOG - E	Date 12 AUG 67
				SPECIMEN		Pg.#
	TIME	SPECIES		DIR. BAND NO		1. Com Va C
	1000-	Cape. Pigs teachis Wilsons S.P.		CO 3	on surface & in in wake & as sooty SHEAR WATER	
	1100	Dank GADE Petreli Hornby's Bind	mater for	5-SE	flying aloud	low bellied - too for off
			(22ml)		2 HR	0B5
		-				
						SI-MNH-958-e Rev. 5-66

4		nojon	09030	5-79-34	OBSERVE	RS:	
Ship Direction			DIVI	ONIAN INSTITUTION SION OF BIRDS A DAILY LOG - E		Date Pg.#	13 AU0 67
TIME	SPECIES	# I	DIR. BAND NO	. REMARKS			
0400	(Bok's Pei wilson's S.P.? Sooty Shearwal	5 RJ	23	flying all	- deck	Cook	s Petrel
1200	Brown Books		out Sheer	waters about	I seen the	one	out lay
		totax 32			2 1-1165	0155	
							•
							SI-MNH-958-e Rev. 5-66

	1	8100			77 15 70	BSERVERS:	
Ship Direction			SMITHSON DIVIS	IAN INSTITUTION OF BIRITORILY LOG	JTION OS	Date	14-15 14-AUG 67
			SPECIMEN or			Pg.# _	
TIME	SPECIES	1	BAND NO.				
Com	Peruina	In Cal icies _ Booky gor Flan	lao Han		Not com	ADP	Rocks
	willow. Souty Chiles	Slean Pelic					
	-						
							SI-MNH-958-e Rev. 5-66

	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	OBSERVERS:
Ship Direction	SMITHSONIAN INSTITUTION DIVISION OF BIRDS AT SEA DAILY LOG - E	Date 16 A0667
TIME SPECIES	SPECIMEN Or DIR. BAND NO. REMARKS	Pg.#
Sooky Shoulust Shoulust Shoulust Frankling Wilson Cape Pa	JODE Hew love our ince again once again conce again c	er water - had to er bow then descaded acheapped grey above indivi. I my years
		SI-MNH-958-e Rev. 5-66

	1	↑		2000 12	5375 - 77733711) OF	BSERVERS:
Shi Di	p rection	1		DIV	ONIAN INSTITUTION ISION OF BIRDS EA DAILY LOG - E	Date 17 A-06 67
	TIME	SPECIES		Or DIR. BAND NO	• REMARKS	
		o Wilson	10 10	Pel3	about ship thool of porpoise m	LE 200 300 cods of f.
						SI-MNH-958-e Rev. 5-66

		Meor - 19	OBSEI	RVERS:		
Ship Direction		DI	ISONIAN INSTITUTION VISION OF BIRDS SEA DAILY LOG - E	Date Pg.#	18 AUG 67	
TIME SP	ECIES #	or DIR. BAND N	NO. REMARKS			
1000-1100 (1315 / B.	echisen I	E, Sul.	flew past stern E,5. driggle from S, S.E. 12 H2S OF	3 5		
					SI-MNH-958-e Rev. 5-66	

	1	TOOK X	1400	35-8	5 2 0	OBSERVERS:	
Ship Direction	n		DIVI	NIAN INSTITU SION OF BIRI A DAILY LOG	os	Date Pg.#	19 AUG 67
TIME	SPECIES	# DIR.	BAND NO.	REMARKS	Tues		
0910	Cape Piges (Blalwer (Sosty Cape Piges Souty S.P.) White Bell Sto Pot	, ,	narsham Rel 3 marloka 2,3	A A	are of plan	Choire !	ight Swells.
1000	Wilson's			from NI	N		
1115	S. P. Carre Pigen White Bell Sr. Li Loshis (Leachis	- 3 5 1 Acc	3	Para	dig di	re World	en 85
				5	HRS OP	S	
							SI-MNH-958-e Rev. 5-66

	1	7200	70 /4/6		OBSERVE	ERS:	
Ship			DIV	ONIAN INSTITUTION ISION OF BIRDS EA DAILY LOG - E			
Direction			SPECIMEN or			Date Pg.#	20 A06 67
TIME	SPECIES		DIR. BAND NO	. REMARKS	er arow E	01.	7
	Sooty SP)	andia	m Rel 3	inwake			
1130	Cayre Pigeor			mola mola	- ochur Dur	اد	_ (3')
	Wilson's		lel 3	off to west		7	
1530-	Leaches S.P.	>000	anodrom	a livertee	\$ alout -	(*
1630	Sooty SP.	80.	mærlikam Rel	3 Cow			
	white Belly S.P.	1	E AQ3				
	L	and the state of t			5 HR. OB	5	
		39					
							SI-MNH-958-e Rev. 5-66

	1	1 2 1 - W. J. J.	9-23-5	08 W	OBSERVERS:	
Ship Directio		SMI SPEC:	THSONIAN INSTITUTE OF THE SEA DAILY	TITUTION BIRDS LOG - E	Date	21AUS67
0645-					1-2 mi a	ster
0730	Albahoss :		dina	ug fran Waround De sole le Leg dark	eli d	
	Pintado.					
	(heach's)	5 00	ocuradi			
	Witte Belly	1 11.0			\ • 6	
	Hornery		lange.	, grey upp	er, white	. under
1100-1130	heach's) Pintido Petrel Clape Pigeon)	3	diema	-alee		
1415	(heach's) -	-Occamed		iake		
	500			3 HR	015)	
					i e	
						SI-MNH-958-e Rev. 5-66

	Moon 6 175	OBSERVERS:	
Ship Direction	SMITHSONIAN INSTITUTION DIVISION OF BIRDS AT SEA DAILY LOG - E SPECIMEN OT DID BANK NO PEMARKS	Date Pg.#	22 AUG 67
TIME SPECIES	DIR. BAND NO. REMARKS		
0700 - Leach's 0720 S.P. Cape Pigeon White Belly S.P. Petrel 1000 - Leach's 1130 Lagetiques S.P.	2-1.03 Like Soaty SP. 5 31A.47177	too far off to	dati
	1 HP	335	
			SI-MNH-958-e Rev. 5-66

	1724.077	-03°4/35 -	85°01'w	OBSERVERS:	
Ship Direction		SMITHSONIAN INST DIVISION OF B AT SEA DAILY LA SPECIMEN or	IRDS	Date Pg.#	23 AUG 67
TIME SPECIE	S DIR.	BAND NO. REMARKS			
	S.P. 2 PJ 2- Pel	STA. Madelina 1-2 n 5-10 f Children Livid	in away f set above a no - acted unsuit a)	Tale fly The f	inglif.
					SI-MNH-958-e Rev. 5-66

	7.002 032'5 - 85°04	OBSERVERS:
Ship Direction	SMITHSONIAN INSTITUTION DIVISION OF BIRDS AT SEA DAILY LOG - E SPECIMEN Or DIR. BAND NO. REMARKS	Date 24 AUG 1967 Pg.#
OSUS OSUS OSUS OSUS OSUS OSUS OSUS OSUS	Misty trype State Shearwork Chasing in Coocinodina Canc NW S Some NW S Some Ship Canc Sum alunce Sid 91 Soming of Ship	then circled alove then Elicated over
		SI-MNH-958-e Rev. 5-66

,	720	E11.	0BSER	VERS:
Ship Direction		DIVI AT SE SPECIMEN or	NIAN INSTITUTION SION OF BIRDS A DAILY LOG - E	Date 25 AUG 67 Pg.#
TIME SP	ECIES #	DIR. BAND NO.	REMARKS	
	Petrol 1	DE-ASW	The chasing early to sure to sure to sure the first the	W. Doain-g- other-dwgs list soan gk
0930.7.	Bus	SE	Joaning - one Some	· La fè desa
1015- FI	Blids 4	SW -DSF	high too for to in 100 Freat J.B. ofher across low,	
1300 (La	eachis 5	i car. le	in wake	
			2 HR 085	
				SI-MNH-958-e Rev. 5-66

- Drove	5°15N - 84° 4601	OBSERVERS:
Ship Direction TIME SPECIES DI	SMITHSONIAN INSTITUTION DIVISION OF BIRDS AT SEA DAILY LOG - E SPECIMEN OF R. BAND NO. REMARKS	Date 26 AUG 67 Pg.#
1050-0530 1030-115 (Leachis) 10 Tothy		him fish feeding on in platform light. Sharks, Carcharinus fish camplet off stern. Levery so often. July during night.
		SI-MNH-958-e Rev. 5-66

-72.11 - 85°04'W OBSERVERS: SMITHSONIAN INSTITUTION DIVISION OF BIRDS Ship AT SEA DAILY LOG - E Direction Date 27 AUG 6 SPECIMEN or SPECIES TIME DIR. BAND NO. REMARKS Storm Petro Brown Bodson clead- florited by sking. school of skip jack tura decention of to west; Green Trustle suran sup to ship from 210°T the away to 280° 290°T 0850 Showers 0915 Leach SP, 25 200-300 45 SE. of ship Brown Booley 3 skippacke Tuna eit to west Brown Booky 1 DW floating in deuse enouge or Dungard, some flying ordassion (Leach's?) 200 = 25 1000-1045 Celany Kil 1110 1580-1545 Inour NE rend flew NE. NE BE 4 HR 033 SI-MNH-958-e Rev. 5-66

	111111 0904	11 M - 8 4 - 1/5 ()	OBSERVERS:
Ship Direction	DIV	SONIAN INSTITUTION VISION OF BIRDS SEA DAILY LOG - E	Date 28 AUG67 Pg.#
TIME SPECIES	# DIR. BAND NO	O. REMARKS	
2 Speckles Brown Boo	ise in si Dolgkin Sbies Buds com	aff works	Dica - off Puntarenas
0700 Rast of Pelica	storn pel	on duface.	200 in Gong
		1/2HRC (35)	
			SI-MNH-958-e Rev. 5-66

					OBSERV	ERS:	
Ship Direction	SPECIES		SMITHSONIAN DIVISION AT SEA DAI SPECIMEN or BAND NO. REMA	OF BIRDS LY LOG - E		Date 30 AUC	567
	heft T	Puntan		no obs			
						SI-MNH-9 Rev. 5-6	

OBSERVERS: -2200 ch 1/35611 - 4 1 1 1 1 SMITHSONIAN INSTITUTION DIVISION OF BIRDS Ship AT SEA DAILY LOG - E Direction Date 31 AUG SPECIMEN Pg.# Or TIME SPECIES DIR. BAND NO. REMARKS et 0800 are seme grane 0830 Phalareges 2 1130-230 Wood Preuse primore likely Phoe FLYCATCHER 3 carabo C 5½ HR. 0BS SI-MNH-958-e Rev. 5-66

OBSERVERS: Time 09 45 11-31-32 SMITHSONIAN INSTITUTION DIVISION OF BIRDS Ship AT SEA DAILY LOG - E Direction SPEC IMEN or SPECIES DIR. BAND NO. REMARKS TIME o'self or l'est's flew about ship the settled oft. Lout surface of as we went s. most headed DN Timtles 1600 moderni on already 1720 Leachs float alingsike to west and Recufouted showe aft office the pagain Vicilia. 5 HR. CBS SI-MNH-958-e Rev. 5-66

	-			1. 6 4	17/11-87:57:0	OBSERVERS:	
Ship	ection	1		DIV	ONIAN INSTITUTION ISION OF BIRDS EA DAILY LOG - E	Date Pg.#	2 A 67
-	TIME	SPECIES		R. BAND NO			
	0615-0630	Brown Booker Sootysis Sootysis Sootysis	BPC. Q.	NW SPAD3	Thew around so 4 mi back in in write	Ling	
	1200-	Leadis S	20W 1		flying S. with about the	flew off.	San Sich alternately
		And Andrews warmen	13)		2½HR 035		
						5	SI-MNH-958-e Rev. 5-66

OBSERVERS: 05°0411 - 87°25 DIVISION OF BIRDS Ship AT SEA DAILY LOG - E Direction Date SPEC IMEN or TIME SPECIES DIR. BAND NO. REMARKS 10005 : seen to leave the -DN:40W-500 One caught on shi reen Brown Bookies al John & how light level wade alse commen e. (Dec-100 ylas) & fly galant but no Inchity 27 rigate a Bila, 3 Common Nobely, I fair, Jon - with what you most in post constituin 1 Brown Books, sout & in the disappea est i want track to SI-MNH-958-e Rev. 5-66

ection		SMITHSONIAN INSTITUTION DIVISION OF BIRDS AT SEA DAILY LOG - E	Date 4 SEPT
		SPECIMEN	Pg.#
TIME SPECIA		R. BAND NO. REMARKS	
Redtocke	Birds 3 Bocolies 6 5 Parasitie? 10-15	Jaegers &.	frigate high. Bookles in grøng-circle during -
0645 Frigate Red Foo	es 2	te de la constant de	
Jucac	obligo /	Jane C.	got buds endengt got to East
Frigule	13:97-0700-38		I de to west
1030 Rad Food			gh - 1-2 min off to west
040 Frigat	Le B. 1 -DNI	E & Great	
1116 (Leach Shearna walge	55/1	Naching one	ser dace: dark except for white midstripe undless
1215 Frigat		E- wrings; neck	sides brown, sing south the 28 - followed ships south the NE. Ith Fright of joined in
1215 Red Fac	Hed I DE		ind gleingreek disappeare
Sedy	5.P. 1 S-DN	DNW in waves.	
1400 Fright Red Foc	ted 3		
1415 Real for	ated 2	office clista	mie ½-1 mila
		6 HR	065

		N	00000	2.2. A. 2. 5 2 de	OBSERVERS:	
Ship Directio	n		DIVI	ONIAN INSTITUTION ISION OF BIRDS EA DAILY LOG - E	Date 5	SEPT 67
0930	SPECIES Red Forted Books Shearwate Wedgetan (Leady's SI		R. BAND NO	englit on deck		
				HR 0 BS		
						I-MNH-958-e Rev. 5-66

	open 22 31's	SSERVERS:
Ship Direction	SMITHSONIAN INSTITUTION DIVISION OF BIRDS AT SEA DAILY LOG - E	
	SPECIMEN or	Date 6 SEPT 67 Pg.#
O710- Dooty S.F. O730 Leach's S.P. Shearwate Wedgetail? Cape Pigeon Northern Phalaropes O800 Northern? Phalarope	DIR. BAND NO. REMARKS Ocarrodroma 1 05 Pall 2 08 2 08	
	12 H12 0B5	

Rev. 5-66

	1	128:1		11/5-55	OBSERVE	RS:	
				IAN INSTITUTION			
Ship				ION OF BIRDS DAILY LOG - E			
Direction			SPECIMEN				7.5EPT67
	,		or			Pg.#	
TIME	SPECIES	A	BAND NO.	REMARKS			
0930	Sooty SP	- Pirmand	ahama	<u>U</u> 3			
0945	Hornby's SF	2	,				
	Capa Paron	etace					
, , , ,	Leach's SP.	3	1	on STATION 4	7349 school	P:/c	of carboles
	Hornbey's	e r		cause up to	o vessel,	Juan	- around
		1		for about 1-/	His.		
1145	Leachs)	15					
	1	o determ					
		2 Carlo		2 HR 035			
		and the same of th					
						•	
							SI-MNH-958-e Rev. 5-66

	1 2000 n 8	OBS	SERVERS:	
Ship Direction	DI	SONIAN INSTITUTION VISION OF BIRDS SEA DAILY LOG - E	Date 8 5 - P7 6	7
	SPECIME		Pg.#	
TIME SPECIES	DIR. BAND	NO. REMARKS		
0650 Hornbys S	? / ->N			
Leachs SP	odiena			
0930 Objetigen				
1100 Cape Pigeon	etimen			
Leach's S.A		off fantail		
O. or un				
		1/2. HR 0135		
	2	1.2.	,	
	-			
			SI-MNH-958 Rev. 5-66	

	1	A Section of the sect	of the same of	11185-8-11-5	OBSERVERS:
Ship Direction			DIV AT S	ONIAN INSTITUTION ISION OF BIRDS EA DAILY LOG - E	Date 9 SEPT 67
			SPECIMEN or		Pg.#
TIME	SPECIES	# DIF	R. BAND NO	O. REMARKS	
0615	But DERS	2.1-05	e)	too far deciny to IDEN.	
0640	Hornbys	P. 1 1000		landed use wake	
0900	Cape Pigear	2. 1 - 25 C. 1 (1) (1)		landed to west	
1030	Cape Pigeer	~ 1		maybe sane as ak	perve - 5 ta 47.369
1160	PilotWha	es 20±5		to North	
				2HR 0BS	
				2	
					CT LANTE OF O
					SI-MNH-958-e Rev. 5-66

	72001 1 1 1 1 0 00 5 -	OBSERVE	RS:	
Ship	SMITHSONIAN INSTITUTION OF BIRD AT SEA DAILY LOG	OS - E		
Direction	SPECIMEN		Date Pg.#	10 SEPT 67
TIME SPECIES	# DIR. BAND NO. REMARKS			
1355 Bulwers or Sooty S.P.	1 ->5-SE.	STRONG WINNES		
Ocarodo	iana	/2 HR.OBS		
				SI-MNH-958-e Rev. 5-66

		1		to the second	1-10	5.25- 2 40 20	DBSERVERS:	
Ship	 ction	1			DIVI	NIAN INSTITUTION SION OF BIRDS LA DAILY LOG - E	Date Pg.#	11 SEPT 67
T	ME	SPECIES	#		or	. REMARKS	· · · · ·	
-		White Throated 50		Þ€.		HIGH. 35 KNET WIND	>5	
						NO OBS		
		-						
								SI-MNH-958-e Rev. 5-66

	Durn. 14°16 5 - 25	OBSERVERS:
Ship Direction	SMITHSONIAN INSTITUTION DIVISION OF BIRDS AT SEA DAILY LOG - E SPECIMEN OF	Date 12 SEPT67 Pg.#
	DIR. BAND NO. REMARKS I landed on s	sea, flew about sky
1030 Booky Spices BLUE CACED 1100 Cape Pigeon	2 DN off stern	
	3) /2 H	12
		SI-MNH-958-e Rev. 5-66

	September 1	(5·2·1) (· ·) ·	OBS	SERVERS:
Ship Direction		DI	SONIAN INSTITUTION VISION OF BIRDS SEA DAILY LOG - E	Date 13 SEPT 67
		SPECIME or	ZN .	Pg.#
TIME SF	PECIES #	DIR. BAND N	O. REMARKS	
So	e Pigeon 2 oty S.P.) 1 slevers dra		200 yal out off stern	
	The state of the s		LA HR OBS	
				,
				SI-MNH-958-e Rev. 5-66

	nern 07°32	OBSERVI	ERS:
Ship	DIVISIO	AN INSTITUTION ON OF BIRDS OAILY LOG - E	
Direction	SPECIMEN		Date 145EPT67 Pg.#
TIME SPECIES 0845 Frigate Bill 0910 Wedge fail? Shearwater	DIR. BAND NO. RI	ruly circling to North	
		1/2.4R0BS	
			SI-MNH-958-e
			Rev. 5-66

	1		770077	go of 5		OBSERV	ERS:	
D				SMITHSONIAN INSTITUTION DIVISION OF BIRDS AT SEA DAILY LOG - E			Date 15 SEPT 67	
			SPECI		A DAG	Pg.#		
1300	SPECIES Cope Pigeon Hornby's SP. Leach's SP. Butwers		· · · · · ·		22HR			
							SI-MNH-958-e Rev. 5-66	

	10000	253515	Jos of the state of	OBSERVERS:
Ship Direction		SMITHSONIAN I DIVISION O AT SEA DAIL SPECIMEN or	F BIRDS	Date 16 SEPT67 Pg.#
TIME SP	PECIES # DIR.	BAND NO. REMAI	RKS	
0800 FR 0915 W. 51 1410 /Hs 1600 Ha	edgetail? Learnailer 1 +55	Hove scho	ing 5-10/over dish. Din witer english.	circles - one dipping then flying a few yald etc 6 or Thines about - "walked" on andonly alout surface.
				SI-MNH-958-e Rev. 5-66

	1	noon 02	0315. 7501 4	OBSERVERS:					
Ship Direction		DI	SONIAN INSTITUTION VISION OF BIRDS SEA DAILY LOG - E	Date					
		SPECIME		Pg.#	17 SEPT 67				
TIME	(1)	DIR. BAND N							
0930	2. 4 . /	3 dac.							
1125	Capa Pigeon	5 mon otres							
	Booky S.P.	5 1 JN, NE	to for off to IDE	N.					
1240	500 Tysp =	2		foair					
	heachs SP =	3 Produces	on surface						
	Phalaiopes	352 0 S circle	Jane on wate	sky 10-15	feel to				
	A de la companya de l		2-412 08						
					SI-MNH-958-e Rev. 5-66				

noon	0°23'N-95°06U	OBSERVERS:
Ship Direction	SMITHSONIAN INSTITUTION DIVISION OF BIRDS AT SEA DAILY LOG - E SPECIMEN Or	Date 15 SEPT 67 Pg.
TIME SPECIES #	DIR. BAND NO. REMARKS	
1030 Leach's SP 15 GULL 1 Territoryal 1 Crestador Caspian a Royal) 1-	size of sooty SP rapidline bea except base of Early	l, black cap, grey upgerid te under side -hearder body; strong ls, dark rup, dark above, Petrel like - BONN 58 John - Grehead appeared
		SI-MNH-958-e Rev. 5-66

	There!		OBSERVERS:	
Ship Direction TIME SPECIES	DIVI		Date Pg.#	195EPT67
)-15	A.	(
1000		passed in Divi	E champing 201	-3.
1215 - Frigale 1220 Frigale	65 ± 10	feedling flock; no	est & Greo	₩. F. B.
Red Footcal. Bookies		a don't the French	At a Robe	Justa Postica.
1235 Juanting Chr. (Wedgetail)?	7.11.1(2) → SE	0.00000 (10 = 15	collects in	lessely to form
Hours		When Our bed; we will the order party of drody &	de la	The state of the s
1705 Shearand crs		Saule in-color - ma altine Hough	= 200 y & .	looked take
tookies	6-124			
	1-186	3/2 -(1.5)	1013	
				SI-MNH-958-e Rev. 5-66

	,	1		lotni	634	17-74-5.	3 OBSER	RVERS:			
Ship Direction					DIVISION	INSTITUTION OF BIRDS ILY LOG - E	pacaglina pacaglina daggeria	Date	20 5505 77		
				SPECI or							
	TIME	SPECIES	#	DIR. BANI							
		FRIGATE BIRD		DE.	poa	ring overh	ead				
		WARBLER.	,		1.00	Quiri secon	OCCOSCOTA	16			
	1150	Leach's SP. Tein Sp	Ric.	35							
	1600	Leach's S.P.	2	- no while							
	,	Shearwale	_ 1 -	>N etie	Q MAY	BE-NEW Z	EFALAND				
	1820	HOWBYSS	2 -	#5-8 W							
		Sharwale	r		MA	MBE NEW	ZFACANIO				
						3/4 40	LOBS				
								•			
		-									
		-									
									ST NANIU 050		
				4.15					SI-MNH-958-e Rev. 5-66		

4	1	720011	OBSERVERS:
hip Direction		DI	ISONIAN INSTITUTION VISION OF BIRDS SEA DAILY LOG - E Date Pg.#
TIME	SPECIES	# DIR. BAND N	
0900 0900 0926 1020	SOOTY SP FLYCATHER NORTHERN PHALAROHE	15 1,1,1,0,0,3 1 -> N,NE	landedgairon & then off to SE. (EASTERN) KINGBIRD
/120	BLUE FACEL	2 - 351	ABOUT 30-50 ft off witer
1125	Booky School of	Markey	ABULT, KRZIE Havetter
1325	(Leachs 1) School of	71 - 40	undace feeding
1335	PHALAPORE	1 - P5, SE	chinging sound by one but have not see dings, also have it of times drains
1345	BLUE FACED BOORY	1 -> 5,5E	Maght.
1400	RED FOSTED BOOBY	かららき	flow nes-skep; sicher 2 times
1435	PHALAMOPES TERN, LEAST	9 -BNW ? I NW-BSW	mackena ? Lee Ling ; Luc circle d. vo
	RedFooted	1 350	they 3 ff to SE. 1500 Ten buck again
1500	HARABORE SOCTY SIP.	2	I on surjuce, I flying about 5 HP- 0B5
1535	School &	1 - DOD	SI- MNH-958-
1845	BROWNBO	1841	ATTEMPTED TO LAND ON FOREMAST Rev. 5-66

OBSERVERS: - Moon 13 34N. 1 SMITHSONIAN INSTITUTION DIVISION OF BIRDS Ship AT SEA DAILY LOG - E Direction Date 22 SEPT 67 SPECIMEN Pg.# or SPECIES DIR. BAND NO. REMARKS TIME ON FOREMAST ABOVE RADAR ! STAYED THERE SUERNISHT? BROWN BOODY 0600 flew around slip - one on nact joined He 0645 BROWN " BIRCUN ". 0710 0730 NORTHERN PHOGAPPORE! for off to I DEN 08 10 BOOBY beach's exept no whate run STORM PETEL Tither?) jumping 200-300 yls. 1045 in worke BUEFACED 1145 BLUE FACED 73 3, 565 B0384 MARUN GREEN TURTLE 1 BROWN BOOBY 4 BROWN 100B/ 5 flew areand strip 3 times then NW BOO (SANDPIPED) - 11 ANW 1330 1 DIV) VE FISHING BUDYS - LENGLANEILS? SIGHTED GROUPS of 2,3 & LILLION 10 - 5 5 1700 sike oasapyer den santier. On surface, then up then lack to DUNLIN? SAUDPIPER 1815 5 HR 3BS SI-MNH-958-e Rev. 5-66

The one of the second OBSERVERS: SMITHSONIAN INSTITUTION DIVISION OF BIRDS Ship AT SEA DAILY LOG - E Direction Date SPECIMEN Pg. or DIR. BAND NO. REMARKS TIME SPECIES -SPOTTED 0720 15-20 POILPOISES 0800 WHITE BELLIED PEICPOISE PORPOISE UNID. 3740 DUNUN? THE SANDEIRE! 1 BROWN BLOBY I - NINE GLUE FACED IIMMITTORE BOOBY Mank NEWFLE S SHEARWATE 2 15 LEAST 3 TERN 1800-FRIGATES 10 1130 BOOBIES on 2000 that flint in -1-5/Rog Non Smelles Can sile har & BLUE-FACED amount - few often booky BROWN BOENS 2 malue avende tou logs WOUTE -I duall groups of your PHAY MICHES Analli Rélacte - jumper 1. 10-10in from tool lied Sports " 14 ----3 apricies I heast?; 2 - charcoak 1270 ; 2 EROS (tender grang breaky where stripe; 5 - doc often to IDEN. - Grey ligge)- tuilli 10-2012 3 +12 SI-MNH-958-e Rev. 5-66

		1	, de	ケナルノ	130		SERVERS:	
Ship Direction			SMITHSONIAN INSTITUTION DIVISION OF BIRDS AT SEA DAILY LOG - E SPECIMEN Date 2		24 SEPT 67			
r	TVC	d Drate			or		Pg.#	
	1ME 0600 0130	Brown Frigation Fell		3	35 15	La Or	a Alexander of the state of the	and Dyed
					,			SI-MNH-958-e Rev. 5-66

	1		107 10		OBSERVERS:	
Ship Direction	n		SMITHSONIAN INSTITUTION DIVISION OF BIRDS AT SEA DAILY LOG - E		Date	27 SEPT 67
TIME	SPECIES	# I	SPECIMEN or OIR. BAND NO.	REMARKS	Pg.#	
3700		ans 200 15 15 1 (AS)	Com is a second of the second	Deputed La U on water; 20 1 every 200-3	nion for the state of the state	
						SI-MNH-958-e Rev. 5-66

	noon 7"36"N - 5"2"52	OBSERVERS:
	SMITHSONIAN INSTITUTION DIVISION OF BIRDS	
Ship Direction	AT SEA DAILY LOG - E SPECIMEN	Date 288EPT 67 Pg.#
TIME SPECIES #	DIR. BAND NO. REMARKS	
OGOO DOCKS & OGOO DOCKS & OTSO- DOCKS & OTSO	to to off to IVEN feeding flack -	
		SI-MNH-958-e Rev. 5-66

	1	700-0	5 55 1	1 78005/16	OBSERVERS:	
Ship Direction		DIVI	HSONIAN INSTITUTION IVISION OF BIRDS SEA DAILY LOG - E			
TIME SPECIA	ES # D:	SPECIMEN or IR. BAND NO	. REMARKS	+52 TIMES IN LOC	Pg.#	1 AUG 67
0.7 Thys oceanor	Roma 10 where 5 where 5	bant 25-30)	2-3 gra feelina	on shall about sund	about ship dish just ace near	P-during- under surface ship
	5.			OBSERVATION	NTIME	HOUN
						SI-MNH-958-e Rev. 5-66

	1					OBSERVERS:		
Ship Direction			SMITHSONIAN INSTITUTION DIVISION OF BIRDS AT SEA DAILY LOG - E SPECIMEN			Date ZAU		
TIME	SPECIES	#	or DIR. BAND		IRKS	Pg.#		
			NO OF					
							SI-MNH-958-e Rev. 5-66	

i		10011 - 0	504/1°N	80 31'41	OBSERVI	ERS:			
Ship		DI	SONIAN INSTIT VISION OF BIR SEA DAILY LOG	DS					
Direction		SPECIME	EN			Date 3	40667		
TIME	SPECIES #	DIR. BAND	O. REMARKS						
1500	O. Coucarhora) 20 O. Tothey: Re	23	.,	in wake	HR				
	20								
							MNH-958-e		
1 1		1				R	lev. 5-66		

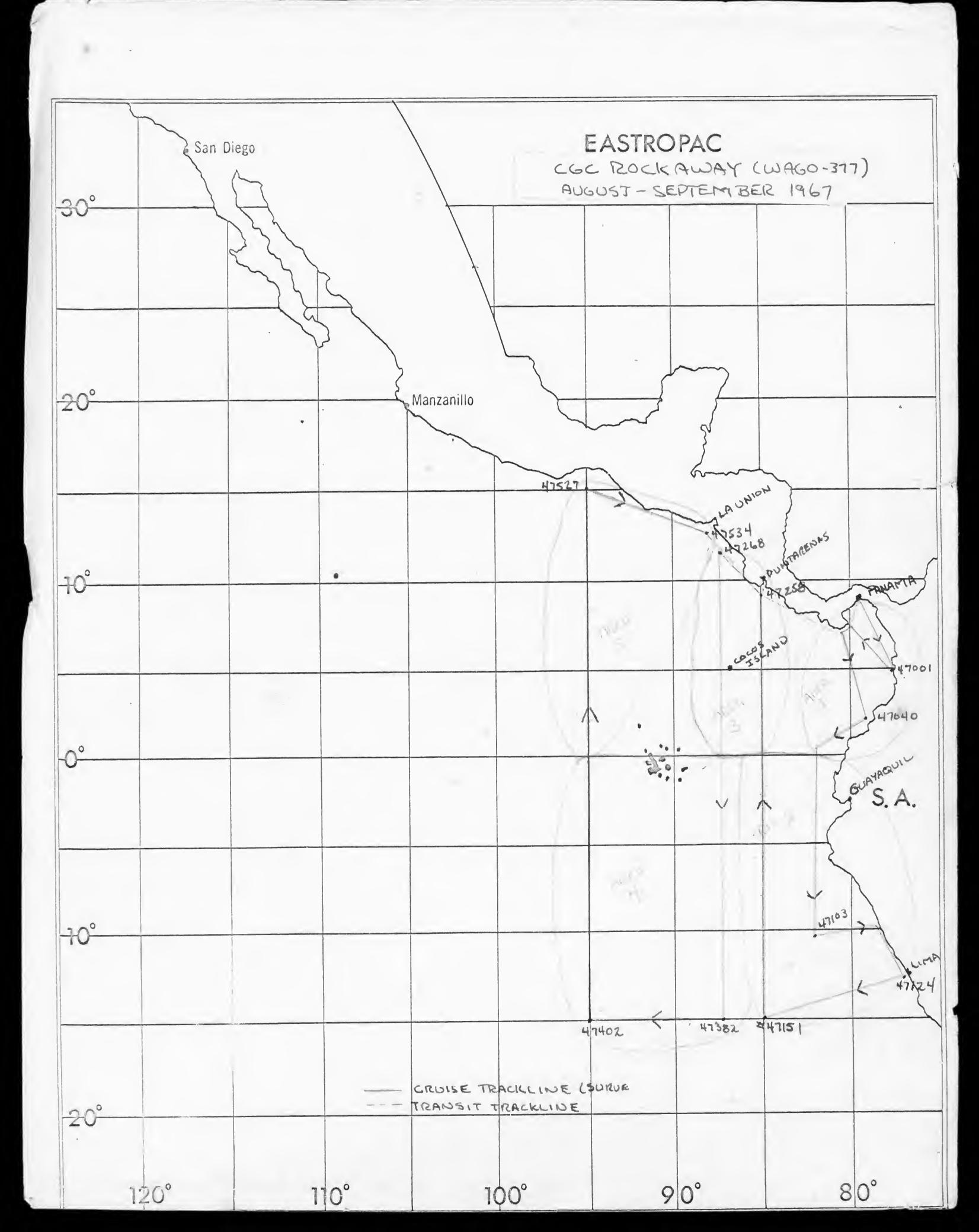
	Ale	t11- 0.	3°09'N-79°	OBSERVI	ERS:	
Ship Direction		SMITHSO DIVI AT SE SPECIMEN or	NIAN INSTITUTION SION OF BIRDS A DAILY LOG - E		Date 4 AC	6 6 7
TIME SPECIES	MOV 2	R. BAND NO.	REMARKS	de la companya	0G - 1 TO	- on &
1000-1500 O. Leucoch Sula dactyl	de 1 19	095	about surface off station	8 wage - en		
UNIDENTIFI		257				
O. lancocher O. ceanien	3 20-30		in wake			
			5 HR	OBS		
	134			,	•	
			•			
				,		
			•			
						NH-958-e v. 5-66

	1					ONIAN INSTITUTION	OBSERVERS	3:	
Shi Di	p rectio	n			DIV	ISION OF BIRDS EA DAILY LOG - E	*	ate	5 A.V. (7
					CIMEN or			Pg.#_	5 AUG G 7
	TIME	SPECIES	#	The second second second		REMARKS	0.	Δ. D.	
	2000	Oceanolica O. Cencon O. Cencon O. Stringt	religion 2	o. teta	- 1	20-25 inti 600 yd off- fee 3 caught on deck,			
	2015	Storn Pel	di-Z	-	odri	of light	flow with	no te	not of are
	•					OBS TIM	E: /2+	(n	
			24-	30					
									,
		-						1	
		-							
								S	SI-MNH-958-e Rev. 5-66

	1	no:	on lo	014'5 - 82 0/W OBS	SERVERS:	
Ship Direction			DIVI	ONIAN INSTITUTION ISION OF BIRDS EA DAILY LOG - E	Date Pg.#	GAUG67
TIME	SPECIES	# DII	RANTO NO	. REMARKS		
1145	O. lencort	oa, 15		Back forth along sur	face	
				DBS TIME	1 Hr	
		Joseph B				
						SI-MNH-958-e Rev. 5-66

	Marn	2 285- 80 0	OBSERVERS:
Ship Direction		SMITHSONIAN INSTITUTION DIVISION OF BIRDS AT SEA DAILY LOG - E SPECIMEN or	
TIME SPECI		. BAND NO. REMARKS	
Mag. Frigat	1 Peticans 2 Bocoies 1 Pigeon 2	5	lor phases of mouth of River to Puerto Newson- Quanaquil, Econdo
VLai	us cirroce	phalus 75	
	s modestus 25	70	
			SI-MNH-958-e Rev. 5-66

	4		7	052	0204	55-800	2110	OBSERVE	RS:	
Shi	p rection	<u></u>			DIVI	NIAN INSTITUT SION OF BIRDS A DAILY LOG -	}		Date 9	AUG 67
					SPECIMEN or			,	Pg.#	7400 6 7
	TIME	SPECIE	ES #	DIR.	BAND NO	. REMARKS				
	1400	-1420	loids	sile	n go	ing down porpoise River me	s (20-3	o) alou (Guarge	10 m	i SWof
						•				
										MNH-958-e ev. 5-66



EASTROPAC - CGC ROCKAWAY AUGUST - SEPTEMBER 1967 LIST of BIRDS CAUGHT ABDARD DESSEL

,	STA.	DATE	TIME (LOCAL)	LAT	LONG	NO. 5P	ECIES
/	47053	6 AU6 196	7 2045	00-18N	081-57W	2.	OCEANODROMA TRISTRAMI O. FETHYS
	47072-41073	104061	967 0405	03-285	082-01 W	3.	O. hornori
				203-475	082-02 W	\	O. + ETHYS
						l	OCEANITES OCEANICUS
	47101	12 AUG	1967 0400	09-295	082-05 W	1	O. HORNBYI
	47109	13 AUG	1967 0400	09-35	5 080-151) 1	PTERODROMO COOKI COOKI
	5-6 MILES SWI of COCOS	IS.	0400			.1	SULA SULA
	CHATHAMBE	AY, LOCOS	ISLAND		Notice *	3	ANOUS STOURS
		`w				1	GYIS ELBA
	47310	4 5 SEP	T 1967 230	007		2	FREGATA SP.
				\$ 0.	2-02N 08	8-03W	I SULA SULA

Front Demanding Officer, Stick RockWill (Made 277)

1 4

	Salt I	a market market in			
	Autres Area				
	Concise measurement of miss	ions Paritolesia i			
	was to entired christent.	chinical and line			ness to
	the enters of the Santan	Desploy Doc1714 W			
	on the senaterial meteors		o estima o	IL DENIES	Mgo In
	Plus pareton.				
	Departed homoport			052 77% (7
	Arrived in narrowy areas -				
	Departed management				
	Aprilved bumport		_ DS15		7
To:	Jongth of cruiss(Jones) he				
S	Distinct to and true ours	At artis			
	Distance cartified to make				
	Potal distance and				
	Augmenterial parameter. In				
	WANTS		100 0000		
	LIPE D. P. LANSSIL DOCK ANY D. D. LOCKHLING, BOOK	Disconting against Disconting against Sec Section Lockway			er litte.
	SE S. B. ROBBERSON, LECCH. V. L. SLAME				optioi.
	D. KINDOO		Tema Con Contact Contact		
	D. W. CHICKE				

PART II - SAR, COMPRESSIONTIONS AND RESIDENTALISATIONS

				A. A. Toronto	
7. Minister	of ale	per la constitución de la consti		Lutervery	1,000

TIME	MARXYTHE	AUSTONAUTIOAS
8.05	990	
	17	

Whelmy from Mills Auto plans malloyed-

2,	Instances of assistance (including communications, side to nerigotion, radar fixen, medico, etc. Sapinio
	Number of persons respect
4	Number of redicate about 6
9.4	Susquency Plans used
	Percentage of traffic transmitted wie Bills 93:45
	N. STATEMEN
	Now's reliable Imagnesiales

DESTANCES	DAY	#1070°
2000 an Imma	1275//(6961.2	6867/8682
2000-2500	16983-2/22545	8688
2500-3000	225/5/25980	12754
3000-3500		
over 3500 mis.		

FUNDER CORRESTA RELATE. 3,600 with CORRESTA WASHIGN

PART ILL - WEINGROLDON

i. Number of MESSEY changestions relayed - - - - - - - - - - -

Z. Number of:

TERE DREERVAYION	THANS, TO SHORE STATION	SHOWS STATION
Routins Surface Cha. at Sympthe house	459	
Special Surface Ons.	19	. 0
Upper Wind Electronia Obs. (RAKIN)	38	0
Rediogoods Diss.	79	0

ADM IV - COLDINGRAMO, ILICORDI

A. POSITIONS OF VARIOUS STATIONS SURFERED

The general error correspon, described as Treet VLL of the Restarn Tropical Pacific Commographic Project, is seen as Scalamner 2 to this report. Specific positions of each station, tegether with times, type surveys made and the position accuracy estimated are etherhol as Englacers 1.

B. BARDOTTEINOCHART PROBAN

	Bl shannysticum mades	ENTROUTE	THE PART AND	TOTAL
	2007 menhables	0		0
	450° mechanical		D	0
	9004 sectionLoid	ō	10	70
	Economication ST (IRT)		3.56	275
	C. HIDROGAST (R	LARSEN CAUTY) I	STORAN	
	Courbs medica 500 meters			81
	1000 motors			
20	Dosp (bottom) caste made			21
	D. STD (BALINITELIE		m) PRODERM	
	300 motor chargestions			49
40	500 meter observations			133
la	1000 miter observations			79
	Total STD observations ands			267
		DOL THE MON		
	Surface town			1.56
	Chilippe double nex toss			
	Microsofiction four			
	Total glaskins sai tem			107
	D EGINE	TING PROGRAM		
	Sunfer of piller of sometimes of	bon of stoom	true area	
	Number of added of somethings to			
	Total number of salas of sound	togs		

PARS T - SUPERARY OF SPERMANNES

I Make by party during the emiles:

Season Al-Will Count From		3) 2) 258 VIII. W	
	DYSSERIE AND RE-	DATE STATE AND AND	
		1617:002 ANG 67	
		101/092 (00:67	
Droppe Tolland , Contin River			
Latte Lens - Bit Saltender	SALADES GER-MY	2713010 SEP 87	
Internal ANSTAL Once Library	2013000 554 47	1001201-55R-67	
statistical assume migorie on	estimate amount originals resided out suring the endoug		
retainminer (Incidito, all-ply	Teste and the University of the Control of the Cont		
AND THE CONTRACTOR OF STREET	Le Tolla, Sen Diseas Beldi.		
ADE non-STO Com. Confure Line unmapped utilities of all file exception and utilities the stiller resulting and utilities that aller	Income of Commercial Metarics.		
Comp. (birthow) Trymonous II manns			
	Annual of Brown of Edmonton		
Malan sistem among of			

PART OF STREET OF OFSIGNATURE (DAME)

- Collegitons adll be mighributed to to the territor of plant and entred perious selection becaused sellens and museum corners of Committees, 71 morday. Invitatio minory for mayor of in Julia Sep Herry Telifi-Designated Interest and/or designs Course of Louis or distance Piver Televis belower when rights and Gos Rosson Bothle combine with Dottle assessor relied. A dueler the expectation of the contract of modification (as mount on Backsmen 3) has made to all linear bittles to contest this defeate The endifferential incontectments. Local operational Spring conceptions. Hivet more hoose alloging toylis. Dair Arrest builds Con complete surplace and Fell onerwood I'm permitted and term are the suit Redaile 15 no market one Re-payment Invested Control Description by Lauren
 - Committee and the second secon
- nelessed and a common problem and a common problem and a

Andread Section 150 February 1716" -

Did art cast to occurst handle at

ture with event to account handler at

Marks his and John So Miller, Mile-

Purchase County of marriagy mentioned on Albert to

- in Militaria amenda, manufations, and recommendations.
- to Discount, when there will be
- (1) Theregoes it, District the Control of Service in Service in Service 11 and Service 12 and Se

PART 7 - SIDDARY OF OFFICERATIONS (CONT)

The resent tertical at a modern plan, the face of which was parelled to the sale of the Ric Registers Sides which from at about a function tenth except. Official colds were sade to the Centain of the Fort and as CAPT Orths, the Demonstrag Officers of the Colombian Naval Sam at Eurocopille. Deveral skipts officers and the scalar sidiless tensors replay were goards at a codded party gives by the U.S. Compal, No. Rebest J. Carle. A can ami driver were developed to the skip by the Colombian Navy. So stores were toom about.

- (2) Stepped Sweet Station; Garal Sone, Statement, the SCHAMAT adopted to the Statement Sweet Inter overcapity St.,000 pollows of section dispet Sweet, Algor Sone continuous and successful statement of the Statement Sweet S
- (3) Designated, Remedity. On 7 sulplet the BUCKAVAT straight of bulguequal, for a two days representational which, It is no be noted that the Healthne Dispullable did not give the perrent location for the pilet stations line come, this information one formished by siddly prior to arrays. Also, Side Grant For 5949 does not about the extensive backupy without this by presently provided to the Gayne Styles. The only are further at a maintain mint commise hoese as Passeto Senve, about 12 miles from Borrandia Availse Milita of a carth our a Fertinate agreementance signs the NASAI sould not be accompleted if sometrial mine wave unitary. As notice in the Seminore has Navy attended the ship, as Madake attions, daring the soline stoy. He your a producte of the U.S. Nersh Academy and was right at book a North According and a like; the key made weathable a our soc ariver. Utilight sublic were made by Malife I., Replante D., Communical of the Pitter Street Month Street Since De Mondain Age, Correction of the Provinces Fr. & Business, Nayor of Conyeuntil not by. A. Schwidzers, the C.L. Gerall General. We part our stock Allow the the Control Styles and editors the control of the pillate approided which competent and make spatism. We obstant make them about a
- (4) Calley Pero Arriving in 14 logars, DOSAGU ambount in the exactations of Caller for the days. Milyan ware not need, although a Pero-Lan Year Caller because with an analogue partyreach. DOSAGU's torta once and at Money toronto. Missing one pate to Caller set in Man. 5 office away Official calls over more on Man to Caller and in Man. 5 office away of the Piert of the Piert of the Caller of
- The Resignance, Courte Siere, is the day the Line of the seasoned and communicated with the many at Posterona. The side has been been accommoded a place and the seasoned by t

the fiel which was people from several small test types. He desage was inflicing except for accepted morning lines. However, there was no much work and worry insident to being at the plan that fundaments is not recommended as a familiar stop. The port is intersecting and a wisit, with the ship at anabor, in contacting. Diber than that, we stored were taken. Pilotogo is compulsory for gaing alongside. The pilot was outpetent and spoke fugities. The Beiling Directions and courts seem found to be estimated to recommend that the reducipal compile anticities light, Isla Blanco (No. 2020) in Light List N.O. 1930) marking the estrence to the Galfo de Biance could not be seen at stold 12 miles off although it is indicated as a 25 mile light. Type departure, the Cape as removed by miles off and it was observed the Vight atposture, as Elffel force-type sheel latering and colleged and are laying purious taken the court of the Cape.

- a step use ands there at the request of the stand to selecte divides to seem of the sector divides assume property so that he could server the site for a tital place property to at a installed by the baress of Conserving Placeting. After property on a sector that a sector from the Conserving Placeting. After property on the property of the conference of the property of the conference of the sector of the
- (V) Labelen, al Salvador, Arter completion of the communication thing on, the SCORNAR systems or helpfing for a three cor viole thile surgests been, the pilets were exployed. The balling Directions for the part and the appropriate were found to be current and correct. Immeno-- Aponilisat numberational mast, his Islan Parelloces in the matth of the bulle in Penseys they from to be inquiredly Lumber on Date Chart he 1775. The catety begoemathy in the area provided, made much to subprince and prome chest the valuation posterior prince the lettern immediatements three countries. The only was burning at the tolers plus for the board to take on 15,000 relliens of trul after which the enterms in beyond Day Two the remaining of the wints. Two of the siviling animalists were Alessandratual at this part, its affirmal call was sade on Colonshi Armenta. the Copiele of the Fort, and he had not not all patent bucks in 10 by-At Poster | evaluable to manage the PDCLAVALT : Lamberty tooling Ab a good ed 11 perhaps towards the committee, 42 range of ourse driving were contribe shed to the local ergioners. This this fiel, is been as taken at this north.
- (6) Reason Navat Station, South Comm. Deciding Service and the Pinning State of the State of State of

- he Management all electronies equipment Constitutes estiminately. The spent on repets of mitages was one in encours of the everage main-tenance/operation ratio except to the costs of the following agglements
- (1) AN/APS-120 Dodge Serigation System. In invalinate mount of time, both day and night, was spont in symmetricating the design stations Each symmetrosigning operation would last about one hour and scootines it would have to be done three times a day. Probable one teams for this difficulty is the fact that so personnel on bourt town been trained in the maintenance or adjustment of this suphisticated and unique equip-
- (3) AN/SET-03 Sails Transmitter, A scales requirement to conscious on a daily schools with a commercial station as told as a local General station, together with the scipts operating procedure of using dual transmitters acceptance at seasonary to child frequencies on the AN/SET branchitters acceptance as often as fifty these is a single day. This almost a barden so the exchanged components involved in December whilt-ing which, because of the upon of the equipment and the unconstability of marts, areated a problem of excessive maintaneous and a postumed thresh of major failure with resultant last of communications. This consists was not provided in the consistent was a communications. This consists was an accountable to the species for the SATELES Transmitter,
- (3) Teletype conjugate functioned apply for the first state adjust weeks of the excise. After the time time expensive adjustments became become many due to normal seat on the applyment, bytages became frequent and excessive man house had to be chiliped probably bonders so personnel analysis been been being for this applyment.
- (4) General of its electronic electronic, This warm collection to repair importative tenescopic equipment. Although covered effective repairs were accomplished, the time appealed our dispresentionate dos to begin teninglishing with the encipsest and last of elegants instance. Vivo complete.

A. Demonstrations.

- (1) Communications with District how York (NAT) and District Fortesouth (NAT) were quantized corting resistant and Sabound Enterty of Third and Firth District Anthony
- (2) For the matter continue of the various, statistic for telescor [Rel] and mend on the primary rules point for all traffic, Communications when element as good, with approximately 10 per cont of traffic volume booklet by redictabely as [No.12] and the remaining to sate (G/); sheldens outlant with COLLEGE for Original and Lors, Continue bound (D/) and mend as a trajector, Lors than 1 per cont. of the volume day content for mend by this ruple.

PART V - SUBSIANT OF OVERAPORE (DON'T)

- (3) Heavy station interference (Franti, Demonst, Japan, Spain, Units and Russia) was noted on the At and AZ circuits during bears of interest. Good to mostlant communications extend during all days light bours. The higher fragmenties of 22545 and 25050 bilourgles were possessly also of interference and affected good to excellent eignal strongths.
- (A) The bear extreme installed at GOPANNIA New Universe to service NOTANNIA week into operation about mid-depresent. Tourselver, as average signal of extraogla "thresh increased to "dive" when this actions was employed.
- (5) Unitionions witches using salintained in all ports and possententions were parently good scrept in Outpacell, Residen, and in Galler, Parts. Difficulties in these parts were middlepied to surrounding mountains.
- (6) In addition to the Goast Smart siresits, "COLANA" was required to excipted direct communications with WD, the Screen of Communication Statement of Edition of Edition, California, "Titl Milespeles proved to be the seat reliable drappedly of those swellable to that station. Sally, status reports and possess additional messages sero passed to this wistins on five July establishes among for a parish from 16-25 togeth when one JU/PHI-23 transmitter faller.
- (7) Sensel on the above experience, the full noise expendentials
- (a) That the consempreship Proposed to Deposity Listed as chronic fit (6265; 8525; 12274, 16626 and 2715) billiographs, Butt) be returned for usage during the Josephynipeli SAUTHURAN. This would provide sufficient alternate Companione to be employed than particle of beary interference are somewhered.
- (b) That possible is simplied from Communication to angles Of autosian as sizealt At Proposition Shearest the NAT man become controlle.
- And interesting. The mentionery plant performed antistant orthe incompanit the newlood formed scornegraphic rections. Craims election included a smoothled forling stop at Postermone at thick time of 100 pallons were to be taken. However, because of the prior of 15 center a gallon, this quantity was received to 25,000 pallons. Performance Digards for the first tail of the craims indicates that this scale is nothernal. Innerest, a televis and translative operational differences in the sucord half of the replace tenters of televis, and centerally manufacture, finding slop. This wayage assessinates a second, and centerally manufacture, forting slop. This was part of televisions on a continual 15,000 pallone were taken to approximately the same cost per pallon. In that, parts the fast was a providentally the same cost per pallon. In that, sections. In Providence the fast on purposition, to introduce the small on received from the 7500 pallon various time care one one graphy but to

the vessel in a much serve respectitions because. The billion and everyorator performed antiacontorily. Mater house or salt water showing did not have to be impound and reach Marker has taken county only at the Housen Naval Dates. The significant plant performed intinvestority. There end a major commanding to the well-taken regulation on the No. 2 personage which could not he repaired by the chiple forms A spare has not so the dispute list. Property of a replacement from the Ball- but attempted but and unsuecountries. The sifficulty has empressed for the direction of the ender to lover righting the regulator transference on the 1 measuremen to that it pould he and taken to come with charge prograture due to the time. The times named throughout performed manial extending There were Indicated him theory. year regulared scholarst loss to the allesten. The fallness becausing the new time of constraints. A del percy which percent the condition, drive appreciate to the former of the replegions of page 2017, but not been deprofilers. This possitived the appropriation villes to the shart emedian the aliablement and although addings of the choice of the winds was driven by this cordeled, a replacement character for lamber to the source provided, on a formeway results one affected by the matter the chain and section then the originals. Take results served sold averagely for the re-

in Cristal Golden

- Of the problem the best of the theory of the problem of the proble
- (A) MERCHAL THE IS SERVICED LIST COURSE IN THE COURSE OF THE PROPERTY OF THE SERVICED SERVICE

Public Bealth defined a symptom unless would make the case as assegned the symptom appeared, SSAID Escalar sivised that competent medical personnal were stationed in the Galapagos. APVID provided data to two ships soliable to our perpose within thirther minutes after a request for a SIAID surple of contaminal sites had been transmitted. The Latter alternative was selected because it offered the loss diversion from the simple. Attempts to raise the ships on radio were insuccessful for about teamty boars and they educate her used with the British freighter SS SCHESSI, Captain darks communiting, Captain Wester as appropriate and comparative and at 1700 SMI on 15 September in diverted his object to recompete with RECLAMING at 1300 GMI on 14 September. The resolutions was note at the appointed time and partition and INVG BMAGO one transferred by small boat for teamsportation to Balton. The SCHESSIT these terms on some at the suppointed time and partition and INVG BMAGO one transferred by small boat for teamsportation to Balton. The SCHESSIT these terms on the sould be resume her communication arrays at the location where it had previously to no halted,

C. Paterralery

(4) A sentencedings program was serviced out the accordance with the specificantiums told sour in the leading hower. The mather charges were nextended for this work and the progress one noder the supervision of the number observer, by Frank Petry's value 40's from the SDOKAMAT's ares were mealened to restaining that they in this progress. Although agrees afford one made to fauditions the mention abservations. In passe of direct conflict with the spennyrouskie program the latter was given processors. For exemple, if the ship was deposed with a lettromet data to stunded not got underway to nothern on aptions bulleon run, Similarly, il understr between communication stations the skip would deviate from courses for balloon release but would not plyack to protest an optimisruns. In a measure of the effect this operational constitution had me the amplicar program, it may be stated that our or 130 balloon beleases, It would not be trucked by reder. At load bold of these sould here best bracked if the versel sould have been managed so as to made't the rader to account in any building the terrett.

E- Dynamics ...

(7). Introduction.

tal for Marketian Communicate, a market of the author traplet relies that for Marketian Communicate, a market of the authors traplet relies to the authors to the authors that the authors the station of the authors to the authors to the authors the authors that the authors the authors that the authors that the authors the authors the authors the authors that the authors the authors the authors that the authors the authors that the authors that the authors the authors the authors that the authors that the authors the authors that the authors that the authors the authors the authors that authors the authors that the authors that the authors the authors that the authors the authors that authors the authors the authors that authors the authors that authors that authors that authors that authors that authors the authors that author

PART OF BUILDING OF ORRESTIONS ICCUTT!

phrophyton, and agents (frames for later analysis salors) and bislogical determinations of plant migrants, and productively. I stations, taken taken between A stations, induced 500 sales 500 and bytemassis, and abliance and surface almost tops; sharing analysis our commissions out as alone, it is stations, complete allower between the 2 and 2 stations, only acquisible bathytheractures departuations ours many A and 2 stations was proceeding approached by 60 sizes so that the offsetive sampling interval one about 21 sizes.

- (b) While relevant continuous advancementation for the majority of the spains included depth, come-curious temperature and order balls temperacurious enlargestly, imposing other radiation, are not try balls temperature differences, three-boardy qurious restain descriptions, and takesdally upper air characterisms and, additionally, a servey of hird lifeous made including statistical mount, identification, photography and specimen collection.
- (a) Incomes of North and 5° Goods and other at the 100 relations than 500 persons of the court fill objects from the Court and the court fill objects from the Court fill objects from the Court fill objects from the Court fill objects for the filler of the Court fill of the Court fi
- (d) a copy was made at Dawis Inland to manning possible within the Stee the Control of Communical Plabacture. Maddle among on the Estable, biological spectages were called the
 - (II) Terrieronses of Commenceration Punksment and Inchmentalist.
 - (a) The STD System.
- amount that the fallence which resulting in some last date of the stations that the sentence in the first operation that from a language to the last the beginning to a senting at most, and the sentent from a date of the last the depth sentence that senting at most, and the sentent from a state of the beginning to the sentence to make a sentence that are to the printing that the printing the sentence of the printing that the sentence that the sentence of the printing that the sentence of the sentence of the printing that the sentence of the sentence of the printing that the sentence of the sentence of the printing that the sentence of the
- Ju The I/A" palamentary stant planetizate continues ability persons and the control will derive the environ. It was retained and the provide the control and other control and the palament of the control and other controls and the control and the control appears of the control and the third and the control and the con
- The ten topological of the electric with the critical and the topological properties of the tensor of the state of the second of the tensor of the second of the tensor of

the additional limet or the UT dear, results in incompare slearupes ofms and marking the TVO II. Undersomer finds. It only requires a 2nd relictor the Unit to Arthur the Salar or Lourgest all though Induly well producted by a marketone much Transmort simulated with solid imbine because, the securities also account common as undeabtedly solid indicate the the conscious topics resulted when the research to be a securities also account to the ship. The Indicate reference reference as a factor of the ship.

(5) 107-est Compatible.

- 1. The IDI-ES require and the Live 33 leterage I/O and L managements of the completed all the safe presentable for datas if the majoriplant. This indicate convertion of reviews there are the constituted; country, sound telectry, and cyracic health excelly entralations from our obtained data; askemickion at the deal occurrenties in the party method, mitrifered, phospherous and stations was a maked and property of the Plantage by realings to phistophyll and absending to prometalize colocities of distance buttons additions from boatstone in the first transfer to the second strict and the sec to called by. However, his conviction of this acceptant was strails and were lived excessive constable than Surface the Alread Street and conventions difficulty was surportered to guilling the conventor to operate and the progress became that he through the days spend you let the village secondity at these, and it other there are it it it. That make there and field in, has compoling present well providence from an about or two atmost, then stormed and small get madeur, or rest and in a progress tape. Reported attacked to put to extend their fedical black again to be a was extended on an every lim without regulater and the conline face. After acring various continuations of room temperature, college recolstor on ar month renson, and for the resultation of the continuous section with delacallower benegaters statistics.
- (e) Symmetric data of Temporal Property and the Chinese State of the State of th
 - As the terminal of the state of
 - to I'm thought present the simule and thought of the Internal Modes. Also, it was not present the Internal Modes.
 - the the specimental country that the residence of the country of t

TART W - BUREAUT DE DESERVATIONS (CONT)

- 6. The size elimeted shan under load in the emisse. This phonese enon was not excepted soft the former size. This is not necessarily an adverse offer but it possibly sould make independent properties related of the necessary and promitte reversing of the Young beriles.
- (d) Ghooletey Independent Erroys from the second for a long problems and the the spectrophotometre up and patring outle for actriant determined traditions, the dissipation analysis and society; the date or condensed to be of high partity;

(w) EleContonic Instrumentation.

- In a statement resulting which involves the related a security for communiting statementals from a beautiful the such condens topoldling for communiting statementals from a beautiful product of the security operation and related the results at the security of security of the security o
 - as the decimal decimal and being reached, in assumed by a recitable of addition to the set from the decimal actual and warded from 150 to 160 material.
 - by Salkento symptomes were damped now though the other our elegend that the order would take the design the projection of real size or that the order would not be designed through the projection such
- In Although tempered by the last of requires standy the sets obly speed, children to a contract from the latter statement entered which sended the parameters to account the account the second the parameters of the second the second that he maintened while trying to consider any from the second test he maintened while trying to consider any from the second parties that the second the last of the second to be a first the second trying the contract the trial trial that the second trying the second trying second to be second to be a second to be a second to be second to the second trace and the second trace permitted as substituted to the first own put passed for last of looking the space of the

[2] Physical and property by Darbert Mich.

The period of the period of the property of the period of

TANK A " REMARK OF CHARACTERS, CODIE,

- In consection with the productivity conservation, the tight insulation, colleged to distinguish light intendition of productivities captured to distinguish with distinguish controllers controllers and the chief the insulator pullward to the chief regionally obtained intendities would probably to an image make. The circle organization again author and biometric one the production of that although the intended californial one not deallers, and the actual action of the conservation with deposite outputs and marked and marked prior to date analysis to conservation with deposite surplies one will a stock including a family to reconstruction with deposite analysis and the production of the conservation with deposited and analysis in the production of the sould be determined to the conservation of the production of the sould be determined to the conservation of the production of the sould be determined to the production of the production of the sould be determined to the production of the sould be determined to the conservation of the production of the sould be determined to the production of the sould be determined to the production of the production of the sould be determined to the production of the production of the sould be determined to the production of the production of the sould be determined to the sould be determined t
- Introduct with reterminated applying the belief as a silent provided to the belief and the reterminated applying the belief as a silent process, productions are point, as and try both temperature difference and like temperature size as a point of addition instrumenties of the object of the silent contract the effective size and a solitorist of the size of the size and the size of the siz
- (2) Salkburg spirit investigate The Salkburg Sal

(A) Deposit and to be.

Low True Representation of the contract to the contract to a contract to the contract of the c

15) Resemble Williams

An extend of the constitution of the second the contract of th

PART T - SERVATE OF DESILE LOSS (CARE)

- (b) To improve the chiralities with propert to the SIS underseter with striking the bull thee being raiged or inserted in its recommendal that a mattriagation is made to the A-Prope and a new cook placture be installed us the outs deck as shown to the about a trainmere in This mediagraphic would be used only in conjunction with the SIS. If the part shock is over consideral for independent, the present arrangement sould will be available.
- (e) The distinction appears in each at the process of an embloy of the system and a surtion without comparison develop the synthese Indianates that the system has a surless single-model to read these data reduction in measurement. At these of this is in recommended bird the present to synthesis to replaced with
- As recommended that an intermediate apparatus in only find in the repair of names against that an expensive the following the first property of names against the following the first property of the supplies of the language of the language
- (a) In comme to provide administration for the initialization and faction, it is recommended that all experiences related for analysis of the manual to be recommended to be r
- things in the course over the best employed and the desires our classifies in the course over the best employed about of the desires our of the chip's regularly employed afficers, Alumny's an employing even classifies from any of this group, it is the epision of the consecution who is the contract that he course from the time countries among the coupling of the employed to the course station and the profession of the employed to the course station and the course of the employed to the employed the course of the employed to the employed to the employed the employed to the employed the employed to the

PART V - SUMMARY OF OPERATIONS (CONT)

- (A) Symbostion of Data Collected.
- (a) All accentific data collected sem Torraried to the Coast Opera Oceanographic Unit, Washington, D.C. for further processing and analysis. A final evaluation of the quality of the information is not smallable at this kine.

EDMARD P. BOTTE

DUST(CMS) (5) COMMARTANCA (5) COMMA(5) COMM(5)

OCEANOGRAPHY PROGRAM

POSTULES OF THE SANDON STATIONS HOWEVER,

(LEGERS - Types of surveys sade: NATURE) - say, (hetter, letter) terrocest; Effect - terrocest (Names Cart), SII - palinity/terrotestars/depth manuring system cart; SI - dip notting; SEI - reportable bethy terrograph; SIE - surface planting for the form that the terrocest of the latter terror terror cart.

Line - Later Cart. Postilor somether to miles.

THE PARTY AND THE PARTY OF THE					
1717301	YOSTELDI	THE SHIPETS WILL	2700(3)		
	05-359 (97-519	UNDERG. STD. DONY, BOND	ADDIS'S		
			013905		
	05-440 077-501	2.000	020233		
	05-50H DWI-02H	072.0	020322		
	0545/AV 0781-13W	THE PARTY AND PARTY AND THE PARTY			
	06-050 078-2110				
	D63/15W 0751-20M				
	D6-201 078-31V				
	08-05W 078-11W	Intern, ero, com, elmo	000946		
	06-410 070-000		021325		
	DBHATE LITTLE IN	ADI	021/03		
	DS-5001 079-1/41		021514		
	D8=568 179=25V	237	023331		
	07=02h 1/79-02h	STATE	022420 Unanun		
10017	D7-1 (N D79-43M		71222AD		
A2015	07-178 079-48W		032315		
	074198 079447W				
	67-05) 080-19M				
47018	DE-SEN CECHSON	THE PERSON NAMED OF THE PE			
47019	00-58N 080-50V	STUDD, STO, DONG, SERV, JO	030420		
	06-4771 080-46N		030906		
	OS-ILIN OSOCIEN	XBX			
	06-21X 080 Z1V	HYDRO, ETD., CONT., GORT	031115		
	06-09N 050-35N		031,000		
47 Val. 6	DE-DAM CEDEDAM				
	N5-61K 080-51X	BIRGO, CORT. SING, NO. LEG			
	05-30H 000-84H	ABS.			
	DON'T BY DEC-TEN	APP			
SHIESE.	0.6-5U1 080-15V		010020		
ATTEN	DOWNER GEOWILD	HE (Healt)	01/01/10		
	TALESTE DEGLOTAL				
	DOMESTIC USCHOOL				
	02-03F 1775-51M	ANTERNA DESCRIPTION OF THE PARTY OF THE PART			
	10-12H D/5-3.6H				
	03-150 077-600	PERSONAL COUNTY OF THE PARTY AND ADDRESS OF TH			
		DE Chicale			
	GS=321 DTS=50V	MICHIGA DELLA GUATA CARE			
	02-23E 077H27V				

	POSITION					
	FOR SYTON	THE SUMMARY HAVE		Josephan		
			050615			
	D1=370 1779-G9N					
	01-31N 079-55N		050030			
	05-27W DSD-17W		051012	の の の の の の の の の の の の の の の の の の の		
	01221H 050-351					
			051336	24		
	D1=148 D81=158	6773				
57058	DI-DSI DST-354	3770	051732			
	GE=0081 Dd2=0014	BUDGO, FILL, COUX, SORT	051935			
	DO-501 052+004	ASA	052135			
17050		272				
	00-400 083-001	TATE .	052355	7		
	DD-258 DB1-586	DARRORD, HENRO, GREEN, REPUBLICAN				
193323	00-FER DET-971					
			0600033			
	00-028 081-034					
		ATTEN AND ADDRESS OF THE PARTY				
	00-170 001-68	ADD				
47057	00-838-053-004	DESTRUMENTAL STREET, STREET	060900			
47058	00-328-082-001		081111			
		570	061155			
	01+008 082-01V					
	01-118 083-024	DONG AND HERE SING ME LEE				
			0.61700			
	01+265, 050-000	520				
			051920			
CV065	01-468 001-580	HICKO, THE LEWY, SAME				
	01-5/8 001-587	2012	062238			
	DOTOGRA GRATISH	(2.20)				
	02-135 DN-536					
	02-275 Dit-55	STATE OF STATE OF THE PARTY AND THE PARTY AN	076128			
1/17/7/1	UPDER DESPURE	HEREN, LYTERAND, MICH. MINE, MINE, M.	092350			
	Danalis disamolili					
	DOWNERS OR DOWN		100733			
	10-578 (RELIEFE	337				
	110-588 DBS-000	THEORY, STEEL DON'T SHARE				
	U.S. 100 000-000					
			101255			
	U.G308 CB3+07/					
	02-395 CBC-CBV					
	DANSAS DESHOW					
	05-118 OEMON					
	051215 GRA-001					

17,45,108	SOSTATOR			1000000
			110530	
	08-343 081-301			
	96-478 OUT-50H	HADROL STOL CONT. SUIC	110659	
	08-570 051-500		111110	
	07-189 081-97V		111312	
	07-284 051-37V		711,000	
AVAIGE		SUV	11/17/57	
67096	074-565 021-25V			
	DB-TTS DESIGN			
	98-316 DE2-031		112300	
	DEWARD CRIMOLOGIC	SEVENDS INTERPORT OF STATE OFFICE SHALLS		
	D9-128 D83-059	STY	120730	
	U9-498 DES-198	EXTRA STATE CHAT A SAME		
17702	779-4558 BED-07W			
	7.0=098 Disp=099		129 600	
	TO-055 OUT-400			
	09-565 0E1-104			
531.07	109-50E 080-55V			
		230	130715	
171.09				
723.50	09-298 050-020			
	09-278-075-554			
	109-265 DT9-37W			
	09-220 079-3911			
	D9-87G D79-57W			
			132130	
			53239.5	
	10-225 076-285		1.610000	
87979	10-535 078-374			
		Livro .		
	11-040 078-104			
	12-135 079-191			
	12-150 OTT-150			
	12-101-077-070			
	124230 DVI-031			
	Name of the last			

				POSTTICH
17A (10)	PORTTON			AUUURANT
	FOR REAL PROPERTY.	CANNON STATE OFFICE SEC. AND		
47136	12-568 1779-261	SERVICE STATE DON'T THE PART AND		
1033	13-035 D79-50V			
17136	13-050 D79-000			
	T1-108 D80-T3W	ELIBRO, SILL, GOVER, BUSIN		
497.35	19-TES DEE-36W	-IST	172320	
	15-278 D81-C1W	MINIO, SID, WHY, DURY, IV.	460350	
20140	15-358 D81-52V		185053	
G77643	13-188 081-697	British, Str., Unit, Spin	180750	
	19-518 DR2-114	ACM F	107139	
117763	13-585 087-25/	MINING, STO. COST, SURY, SURY, SA, LAN.	181935	
			181700	
	La-162 083-05W	HUDBO, MED, CHAIL, STATE	121925	
47146	17-268 008-008			
27542	14-278 083-416	Dylerman, Replica, 8350, 1081, class,		
		SHEP, MI, LEE	150003	
	12-550 084-067	EST	1907/5	
2017.45	1.4-435 DB4-21V	TVIND, SYU, CONT. AUGS	190925	
	1.6-4.89 DS4-38V	JUST		
	14-565 DE5-00W	STREET, STILL CHEEK, SHEET, AND, LESS	191400	
40153	14-328 085-020	Ser.	191830	4
	1 A=178 085-039	STEEDED, STO., COST., BUTT.		
271 53		\$1877	192305	mh
-171.54	13-555 085-028		200110	
W153	13-359 085-DUJ	SYDED, SYD, COST, BUSY, NO. 120	200530	
1/21.56	15-068-065-047	NOT	200715	
473.57	12-542 955-074	D/TOTALO, SIZORO, STD., CEST., SURS		
471.50	13-288 005-03W	Total Control Control Control Control Control	201302	
271.93	12-07E 006-55V	Bringo, Ero, Chev. News, No. 1837	2017/30	
	134968 055-004			
47 (41	11-465 085-01H		504840	
	11-300 085-001	HYDRO: STD. OBST. NORT	505070	
67118	11-035 085-037	CUE	200000	
	10-435 085-046	REFERENCE DESIGNATIONS AND DESIGNATIONS OF THE PERSON NAMED IN COLUMN TWO IS NOT THE PERSON NAMED IN COLUMN TO THE PERSON NAME		
		101 LUE		
	10-202 085-051		510901	
	TO-018 085-05N		510000	
		TOY		-9
	094176 085-07V			
A71159	09-02E 086-06/	1000	=11757	
	08-518 085-041			
	06-355 085-036	MINISTER STEEL CONT. STEEL	212014	
17172	08-178 089-1784			
1993	07-558 005-004		2311/0	
19176	07-349 075-081			
	974-1 68 185-07E		275710	
67176	DA-SER DESIGN			
37177	16-358 185-074		2021 (800)	
1379.70	Dis-Dista Dista-Cult			
	DS-STEE DAY-TO			
		SMI		
			-	

				POSTYTO
	POSITION	The source of the state of the		Jonathan.
	05-078 005-01M	Dylamsko, musiko, mary, suev., in.		
		10, 122	230042	
37182	05-058 085-007		230625	
	D4-548 185-07V	1575	230645	
	E6-124 DE5-00K	3025	230900	
	D4-298 185-00/	Herrico, Sto., oniti, white		
47106	DG-157 IBA-57	XI.S.	231225	
	04-085 DS4-59V	210	231312	
47169	D3-595 D35-D01	2.171	231616	
10189	03-515 ES5-010	HYDROL SYD, COMP, SHIP, SW. LOT		
			, ,	
	03-055-015	EST	231923	
411(92	09-128 085-01V	SET		
	02-668 085-01V	HYDRO, SYL, GREY, 1990	2321/0	
	02-475 055-011		232355	
	02-385 085-071	27(1)	541050	
27176	09-220 085-081	(10)	74/02/06	
	08-105 085-05W	MINER, SYLL BURE, SHIP, NO. BY, LEE		
	91+568 085+09M	0.37	240638	
12139	01=508 065±03W	5220	240775	
	OT-288 065-031	7.37	240890	
17201	01=268 065=0.0V	EXCHE, SIL, CHIT, LIVE		
	01-128 005-028	5.07	241207	
	01-038 005-067	SYD	261257	
\$7204	GO-518 085-087	AB4.	241405	
57205	00-400 085-046	INDIC, STD. COST, SING, NO. AND	221 500	
	DO-269 D85-03H		241205	
17207	00-178 085-009	677	241910	
	00-098 085-001	THE		
	170-029 00.4-291	SECURE SELL AND STREET	2,631,00	
	00-11N D84-66K	ZBV		
	00-231 054-06h	870	242355	
7.7212	00-36% 08A-056	THE		
	CO-479 BB4-054	Bridge Danielle, Str. Lawy, Silly		*
				-5
47214	DT-000 034-551		250706	
		227		
	01-21K 050-55K			
	01-31K 088-55K	Hanto, Mary, Corre, Mills		
		273		
17219	01-315 055-356			
	92-08/ 684-9W	MANAGE STOR CONT. MICH. NO. 140		
	tio-Ten Casa-yw		201707	
	U2-289 G3-57V			
	703-27W 00-1-57W		250130	
3,455.6			380005	

	PUBLISTON.	TOTAL STREET, MARK	(7)		
			2,50705		
		DECEMBER AND LINES AND ADDRESS OF THE PARTY AND THE PARTY			
	03-55E 084-53E		250729		
	DANGOTT OSAHOTTA				
		17301774 AND DESIGN OF	3850090		
47232	OA-SER CRO-179				
	DELLARO DELLARO		261883		
	DALTER DELLEY		269710		
	05-17% DEC-485				
	DELEASE USAL-STREET	Mary!			
	05-448 054-474	MONDRO, SEO, DUNE, HIRE			
		XST.			
	DESTRUCTION OF	DATERIO, TRUBO, SED, ONE, SUIT-			
	remote terminate				
	DE-STU DRV-SAI	PERSONAL PRINCIPAL CONTRACTOR			
62834					
17245	17-15F 184-534				
	THE LEGITAL	DETAILS STATE ORDER STATE IN A LABOR.			
	TOTAL DESCRIPTION	THE STATE OF THE S			
	DE-DEV CRIS-DEL				
	DB-1797 DES-DST		272027		
	CO-727W CRIS-DSN	HYDRO, GEO, GEOT, ARRE			
		STREET			
17252	08-661 085-07K				
A7K53	CENTRAL COLONIES	XET	280115		
	DB=57W 035-01V	EXERT, FILL COST, SURE, INC. 185, 185	100500		
	09-15W DECE-15W				
	09-22H 084-341	XIV.			
	79-278 (H)-52V	RESIDE, STEEL STREET, STREET			
11/1659	09-59/ 045-52/				
	10-257 DBS-25V				
	77-417 085-360				
17161	11-091 087-077				
	11-38/ 007-38/				
	Literation deserved				
			3/3/34		
			~		

				ACCOTANCE!
	10-501 068-109	LANDER, TYPES, MYDE, XEY, CHEE,		
			010220	
			010392	
	10-216 088-186		011005	
	09-569 088-054		GETASS	
	09-L01 086-16V		011555	
	09-4/01 008-1917		011908	
57242			010010	
		Marcen, 200, DOME, BURN	013200	State of state
	09-0431 088-044		090000	
47284	26-57% 088-038	NAME OF THE PARTY		
AVERS	OS-6/M D57-051			
47986	084155 067452A	Krusen, Stor, Copy, Street, Mr. Mr.	030370	
17287	5/10/5/10 DEV-604	30/8	000813	
	07-25W G57-MM	Within the other sum		
47789	07-23F 007-65F			
	106-478 D611-579	INTERD, BYO. DOWN, SURE NO.		
	06-211 057-774	EBI	1000000	
		HYBNO STOLENING SHIT	0322215	
	05-578 097-978		030006	
47-76	05-36F 097-5TM		030130	
	05-164 087-571	HITTERS DATERNA, CODE SHATE SHARE,		
			050315	
47296	05-00E-087+5.0L		0.00215	
7.7297	D6-388 087-984	STUPPL STO. DON'T, SWEET, Mr. DE	0.60500	
	02-258 089-594		DURETS	
	0.5-4.90 088-004	TID.	010004	
K/900	GG-TON ORS-ION			
1,7901	DA-003 038-03H	STEERS, STO., COLY, LEDS.	2001000	
1/205	03-11H 083-0-H	6.70	0.41330	
	03-380 DBB-041			
	09-227 000-0.01	MANAGE STO. DENT. SERVE NO. LES	0/3519	
10.301	03-02/ 088-02V			
	02-45H 087-59V		0,600,50	
	DD=3/1 087=50V	A STATE OF THE STA	042035	
47,400	102-24F 0SS-00V	STD		
	02-12F 080-097		050036	
	DO-025 053-07V	SAME DATE OF SELL COST - WINE -		
		THE THE SEC		
	DI-CHY DES-DAY			
			250655	
			050856	
47518			DELTATE	
17517			051335	

	TREATTION.				
	00-0/6 025-074				
	00-368 100-056		060056		
			060209		
		Briefly, Still, Willy, Still, 18th, Late.	060305		
19326	01-09E DEB-ENA		660655		
		EXT.			
	OT-SAL DESCRIPTION	XIVE	560835		
	01-358 088-070	DESIGN STREET, STREET, STREET			
-7530	C1 -455 036-081		061215		
	01-575 G68-07W	THE CONTRACTOR OF THE CONTRACT		3	
400032	02-079 088-064				
67333	02-185 088-039	IST			
	GS-SAS DES-020	DESIGNATION OF COME SHOW, NO. 1844	061812		
2/335	02-359 088-09N				
	02-458 DBB-03V	IBT			
	02-575-088-03V		068040		
47398	03-045 DBS-04V	REDRO, EDT, Chitz, SHIP			
47339	03-153 088-075		000327		
87380	03-2/F DET-DAY	TO 1	070005		
	09-335 088-048	3100	U70054		
17342	10-48-5 1845-0-11	DATEMENT RESIDE STEEL COME, STEEL			
12.00	-July Inc. 197		070205		
1000000	DANGER DESCRIPTION		070735		
67943	DA-082 057-594	272	070816		
		TENNER, STD. CONT. CON	071000		
47945	04-295 087-574				
	44-368 017-97	STW	071325		
	04-488 087-596		071433		
	04-578 088-004	ANTENDA STOR DENT, STATE ON LESS	021500	3	
11369	05+105 086-039		073015		
47350	05-35F USA-00H		072210		
	D5-535 D87-0W	HYDRO, STEL DOWN, SUIT	072959		
11/35%	05-508 087-576				
47953	06-165 OF7-399		080123		
A7356	06-375 DE7-55H	HARBERT RAD COMA HOLD TON THE	080320		
47355	06-678 066-004				
67356	06-895, 065-001		080727		
17357	TOTAL OF THE PARTY	BERTHOL STR. GENT, SHIP	MOUNT IN		
47358	87-370 OSS-020	IET			
173.99	06-075 066-03W	RECORD, Green Children and Company of the Land	001515		
DOEVA	08-263 088-091		061835		
47361	08-345 058-001	7.83	081915		
47362	08-558 DES-UNV				
47963	D9-178 085-078		090030		
	DELLER DESLETA		090035		
	09-578 DRS-USA				
1/1966	10-075 DISC-064				
	10-225 188-029				
	10-728 008-007		051252		
	11-028 DHY-538				
		THE PERSON NAMED IN COLUMN TWO IS NOT THE PERSON NAMED IN COLUMN TWO IS NAM			

SOLITOR	JOSETTON.	TYPE SURVEYS DATE.	108(2)	ACQUEAGE.		
	1/2-000 Deputys		092355			
	12-315 066-03V	D/MYDRO, STD. BYDRO, Colo, Std.				
	10.210.200.300	100, 16X	100205			
	12-410, 088-038	3030	100645			
	121-398 088-026		100830			
(27376)	13=145 088=017	EXCEPT, STD. DINT. SINCE				
47377	13-279 088-004	1117	101233			
	13-435 097-681	2207	161400			
	13-576 087-576	EXCHANGE STOP CORY, SUCH A ROLL THE	101527			
	TANKAR DRV-57V	TOTAL CONTRACTOR OF THE PARTY O	101640			
W7385	14-318 081-381	XBY				
47382	14-475 007-591	HILDROY SIDE DON'T GUID				
47363	14-576 088-461	STA	110039			
	14-578 088-30h	Page 1	110226			
	18-583 081-591		110411			
67366	12-598 089-201	SUD.	1.10534			
	14-598 185-601					
47388	14-598 090-01V		110938			
67389	75-008 090-231/		117100			
A7390	75-005 090-559	EVEN				
	15-008 091-07V		711510			
47392	14-578 D91-28H		111100			
47393	14-570 091-500	0.23	111850			
27394	14-589 092-101	STI	112035			
A7395	14-598 092-311/	SID	112223			
47396	74-590 092-524	STYL	120018			
1.7397	15-005-093-140x	ETD	120157			
47358	14-399 093-346	2(70)	120340			
47399	1.6-598 D901-52M	2770	120/25			
277,000	14-390 084-157		7.20/710			
	1.6-990 C9.6-98N		120857			
	14-588 095-01V		151400			
47403	1A-37E 095-03V					
	TA-178 095-03W	BEDEU, SEE, STR., 18- LES	121959			
	12-055-095-03V	7.87				
7,606	13-518 095-051					
	13-378 195-027	ATTAIN STO. WILLIAM	122125			
47408			122349			
	12-578 095-007	TOTAL CONTRACTOR OF THE PARTY O				
	12-518 094-590	nythmuc, moreo, and, curr, we have				
	12-378 D95-DOM		130608			
VA-74.5	12-218 095-004	SEET.				
	12-038 096-014	ELEMENT COMP. DESIGN	130900			
	11-366 095-017	TIPE				
		DESIGN AND DOWN, NAME - IN- THE				
			131800			
		5307				
	1.0-035 195-029	.035				
	79-47F D95-05F					

✓ (**i**

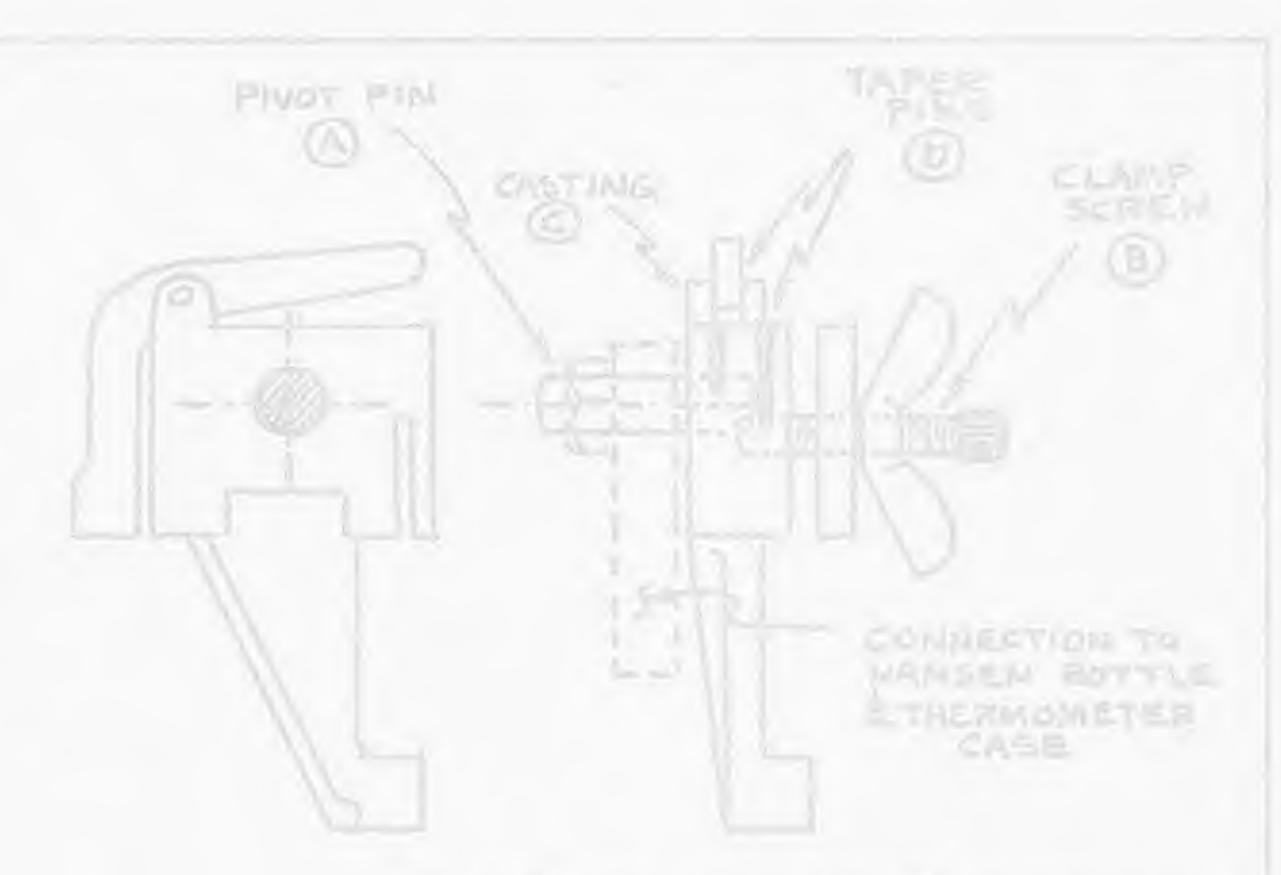
STATIST	POSTTALL	TTIM AUTOMIA MADE	93Hr(2)	ADDURAGE
	09-028-095-034	SHE	1,60042	
17722	DB(35 D95-128)	THE	1,40000	
1/7/123	DB-249 D95-D36	MBT	3,40320	
	08-055 095-001	EBT	14007	
47125	07-463 095-128	EBT		
	D7-263, 095-00V		140555	
			140715	
	07-065 095-008		120538	
	0.5-4.63, 09.5-029		0.41005	
	06-151 095-036	NDT		
12/20	09-274 D94-89K	BYBNO, STO. CONT. DUBE, NY. LAN	150980	
	09-553 095-019	XIV.	150735	
17632		INDEED, OND, GOOK, SUITE	150938	
17433	094568 0954028		151225	
	09-269 095-084	137.	151440	
	08-628 095-01X	XIX	151502	
47436	08-328-095-028	HTURO, STD, LEE, CONY, EUR	151900	
	08-045 095-058		152250	
	07-408 095-09ki	U/HYDRO, HIDEO, SID, LEI, WA.		
		CONT. SIMP	160055	
47439	03-078 095-09W	EST.	180740	
	06-468 095-09V	HYDRO, STO, COWY, STORY	150945	
	06-278 095-09V	1371	161230	
	06-128 095-09W	XXX	161348	
	05-556 095-08N	DESCRIPTION OF THE PARTY AND	161515	
17556	05-388 095-074	AND A	161845	
47665	05-208 095-069		162015	
17.665	05-028 D95-06k	HYDRO, STO. DIET, GURT	162153	
17447	04-518 095-060	XET	170003	
67438	04-385 095-06V	-970	170103	
47449	B6-268 095-039	IBT		
			190213	
	04-148 095-01M	PYDER, STO. LEL, Mr. MONT. AND		
	G3-4598 095-011V	10.0	170520	
1,7,652	03-508 095-01V	633	170719	
67453	03-385 095-011	AND THE RESERVE THE PERSON NAMED IN COLUMN TWO IS NOT THE PERSON NAMED IN COLUMN TWO IS NAMED IN COLUMN T	170827	
47/54	03-278 035-011	BIDGHO, STEL CONT, AUGO	170925	
17455	03-458 095-01V	10.002		
	03L03S 095L00V	SID		
	02-513 095-000			
	C2-419 095-IAW			
	02-286 095-TW		171725	
	DOWNER DESIGNATION OF			
	02-050 095-020			
	\$14565 D954D\$	THE PARTY COUNTY AND THE		
12/51	07-428-095-75M	3.00	172307	
	D1+348 D95-03V	-ead		
	m=188 pg=0dd			
	DI-DIS DYS-19W	PORTEO, D/VELLEG, STR., 185, 185,		
	DO-STEE DISSI-DEN			
	DE-USE DYS-CHE			

W. M. S. C.				70937730
	POSTTER	TYPE - TOTAL PARTY	America)	
	00-335 096-099		181015	
	00-2/8 T05-09V	HYDRO, EID, OLDY, SDRY	181055	
	00-138 095-104		161323	
47472	00-058 (R5+09V		181410	
67673	00-118 J95-00V		181532	
	00-238 095-07W	STREET, STD., TAX., Adv., Contr., address.	151600	
67675	00-378 095-001		182000	
	00-44E 095-05/	20127	122044	
17877	DD-569 095-DIN		182150	
17278	D1-D58 D94-58W	HEREN, Stray Colty, 1949		
	D1=76E 094-56/	XIII	190103	
17480	D1=27W D94=57H	EFET		
	D1-39F E94-51N		190307	
47482	D1-488 C94-496	RYDRO, STILL LATE, NO STATE, SHIP	190300	
47.683	D2+D2F D9X-Z6F		19070%	
	D3-098 D94-4-54	STI	190754	
17485	02-25T D94-43V	THE PARTY NAMED IN COLUMN TWO IS NOT THE PARTY N	198910	
49.686	02-398 094-498	PERSONAL STREET, STREET, STREET,		
47487	50-64T 096-61V			
47488	02-550 093-390	570		
	09-068 094-41W		191415	
47400	03-769 024-61H	HYMPLL STELL LEE, NO. CHER, SHE	199.504	
47,601	03-289 094-679	3787	191800	
47492	05-388 094-59M	570	191902	
	DIS-SYM DOLL-BAN		192003	
27634	03-58K 09A-59V	MINIST WITH CONT. SHIP		3
37495	D4=111 094-551		102256	
57495	044-218 004-598		192348	
47497	04-33N 194-37N		200053	
47466	04-146 094-864	nytrophoto, econol, contra acres, area-		
	05-025 094-5BV		200668	
	D5-13N D94-5/80		191745	
£7501	05-560 095-560	DEPOSIT STATE OF STATE	202945	
A7502	05-54N 094-57N	TIP	22712.67	
	D5-128 D94-586		201410	
49504	D6-27H 09A-59M	STREET, SALE LET AND DESCRIPTIONS	30155	
	Disable Distriction			
87506	07-058 096-576		2000015	
A7507	07-TAIT 09/-56M	REVERSO, SALE DEBAT - SUPER		
47.508	07-4.01 095-00M			
47,509	08-052 095-025	MYDNO, SYN, LEE, M., 2007, SULF	910320	
47510	08-351-095-034	207		
	08-570 055-0AV	COUNTY, STO. DEST. SHEET	210833	
	09-201 095-DAV		3913601.	
	09-498 095-057		4	
47514	10-488 0951050	237	217,605	
	10-038 095-061		E12065	
	Philippin operative		-	
		DOMEST AND STREET		

4 6 1

	PERTITE	TYPE SULVEYS NAME	200(2)	ACCURACY
17518 17519 17521 17521 17521 17521 17525	11-558 095-008 12-098 095-598 13-338 095-598 13-038 095-008 13-168 095-008 13-158 095-008 13-388 095-008	187 187 187 187 187 187 187 187 187 187	220637 220744 220942 221205 221418 221418 222030 222345	
47.525 47.525 47.535 47.535 47.535 47.535 47.535	1.5-000 093-090 1.6-518 093-390 1.6-668 093-360 1.6-360 093-370 1.6-280 093-370 1.6-280 093-380 1.6-280 093-480	101000, 200, 0000, 2007, 020, 120 120 120 120 120 120	230725 230525 230745 230745 231022 231140 231300	

DVEST Esperation at 200 EASTROPACIT ROCKAWAY OF DISE TRACKS 150 100 - OF



Pivot Pin(A) and Claps Somer (B) are present-fit.

Into deuting (C) — If the presentation either

(A) or (B) works lower, the venior spice : the

thermoseier case, and the thorogeneous are inst.

Dilling of the Jacting (C) and installation of

the Peper Fine (B) property this type of

fallure.



WHEE CLIENTS

ENCLOSURE III

USOS C ROCKAWIAN

MANSEN BOTTLE

MO TONLY

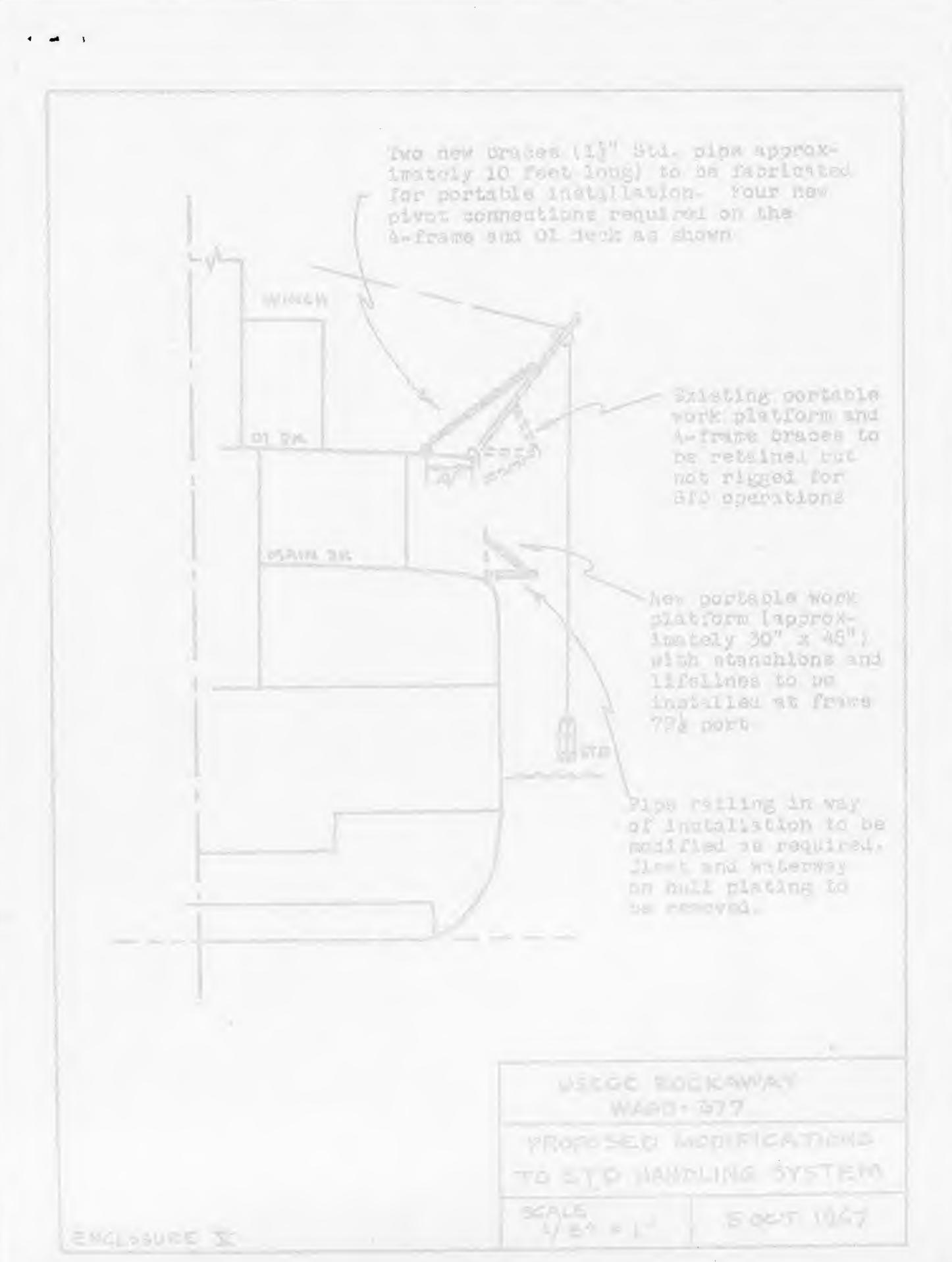
SOCT ISET

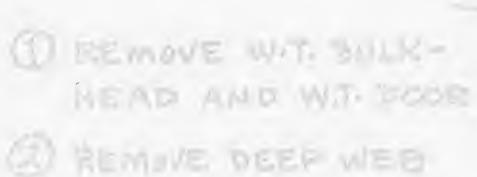
STATION	
\$1 	LZT
generally and the second of th	

6. der 22. de 5.4

0.0.0

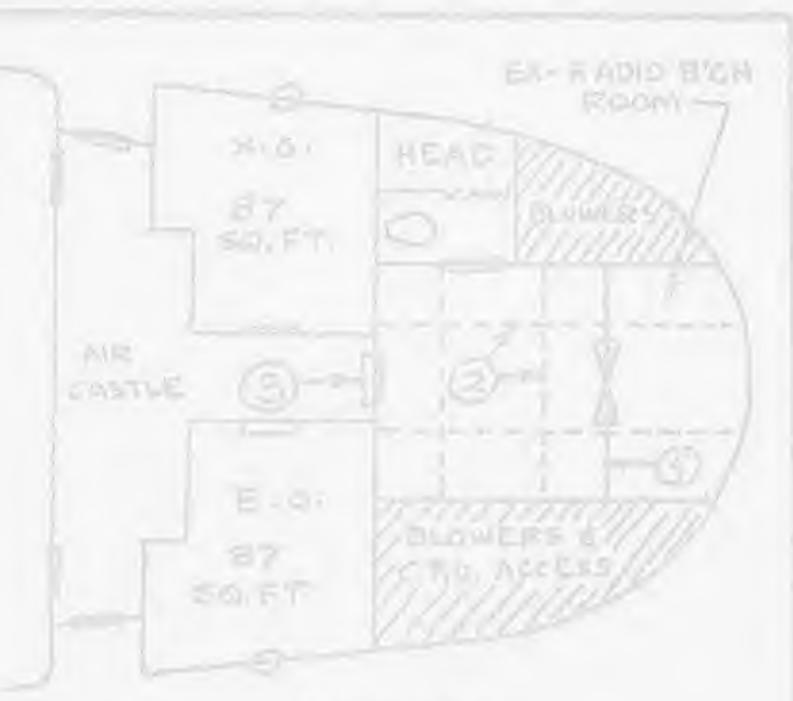
MANIG ATOR



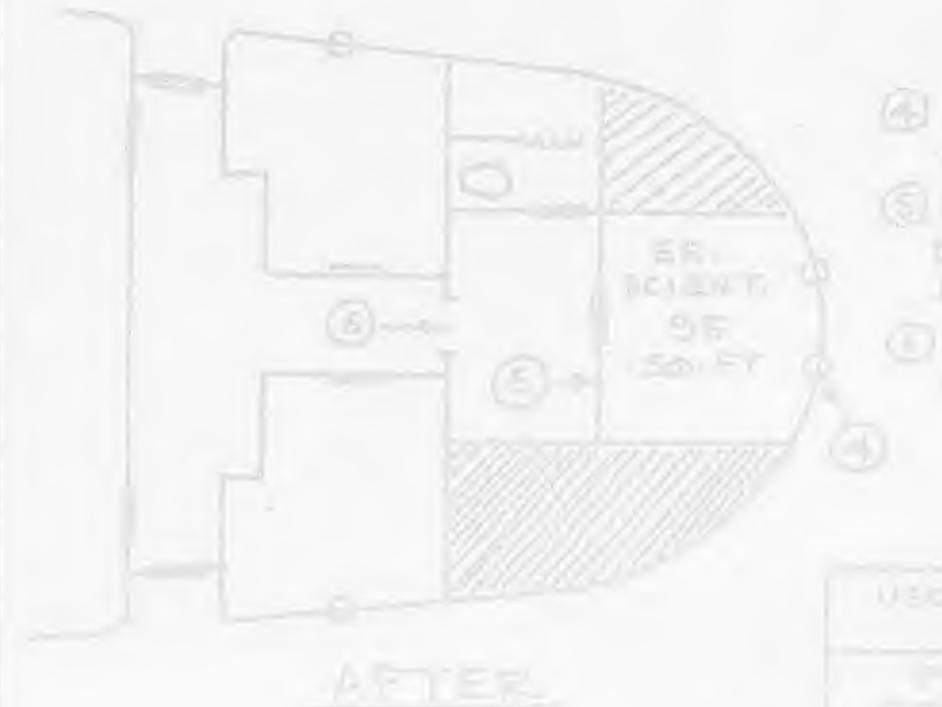


REMOVE DEEP WEB BEAMS FROM SVER-

AND COAMING



MAIN DECK FRANES 29- 44



- PORT LIGHTS
- SINSTALL JOINER
 BULKHERD AND
- WHITE ARCH

UECS CROCKNIKAY UMBOLATA

SR SCIENTIST

SCALE!

S DOTE BY

EMELORUSE TE

Date 31 July 1967 Ship (Cruise No. 47	
Organization USCG-C Recorder_	
Sunrise: Time 655 Position: Lat, Long	•
Miles travelled from 0000 hours to sunrise =	
Miles travelled from sunrise to sunset =	
Miles travelled from sunset to 2400 hours = 56.3 mi	
TIME OF FIX TYPE OF FIX LATITUDE LONGITUDE	
1. 6800 '6350N 78°240'W	
2. 1-300	
3.	
4.1830 range-bog-radar 08°34.5 N 79°28 w	
Hourly Positions:	
Fime Latitude Longitude Wind Dir. Wind Sp. Wave Dir. Wave Hgt.	
0100	
0400	

0100						
0200						
03 00						
0400						
0500						
0600						
0700						
0800						
0900						
1000						
1100						
1200						
1300						
1400						
1500			2	00		
1600	Rodman	Naval Bu	re Cana	1 Take		
1700	08049.5	79029.5	300	(103	195	2
1800	08 39	79025.5	300	62	195	2
	08 27	79019	300	02	195.	-2_
2000	03 16.7'	790.13.7	003	/3	195	2
2100	680 2.2	7909 8	007	12	195	2
2200	070 58M	790 5.0°W	003	13	10,5	2
2300	070 50 81	79001.3.W	355	11	195	2
2400	07° 38,2N	79055,2W	055	10	'	

Date AUG 1967 Ship ROCKAWAY (W377) Cruise No.	
Organization USCS Recorder_	
Sunrise: Time 0608 Position: Lat. 06 54, Long. 78 31 L/S Sunset: Time 1837 Position: Lat. 05 35, Long. 77 48	11
Miles travelled from 0000 hours to sunrise = $\frac{57}{108.8}$ Miles travelled from sunrise to sunset = $\frac{108.8}{100.8}$	
Time of fix type of fix LATITUDE LONGITUDE	
. 086¢ Elistial 635'N 78°24'W Electronic	
2. 1264 Electronic 5°54.7'N 78°05'W B. 2666 Electronic 577°470'W	
+. 2400 11 5°39.5W 77°47.0W 5°39.5W 78°19.5W	
Hourly Positions:	
Time Latitude Longitude Wind Dir. Wind Sp. Wave Dir. Wave Hgt.	

0100 70 28.5 N 78 50.8 W 355 10 — — — — — — — — — — — — — — — — — —	TIME	Latitude	Longroude	MITTO TITE	WING DD.	May Dil.	Way C 1150.
0200 67° 20.5N 78° 46.8W 125 150 1 0000 67° 11.6N 78° 42.2W 150 1 0000 67° 65° 18° 34' 135° 8 150 1 0000 66° 54° 78° 37' 11.5° 7 220 2 0000 66° 54° 78° 24° 24° 12.6	0100	70285N	28050.8W	055	10		
0300 67° 11.6N 78° 92.2W 150 11 0400 67 10 78 37 10 156 5 150 1 0500 67 65 78 34 135 8 150 1 0600 66 5 V 78 3/ 1/5 7 220 2 0700 6 43 7 78° 27 8 732/5 6 23C 7 0800 6 35' 72° 24' 215 6 23C 1 0900 6 22.2' 78° 142 126 6 23C 1 1000 6 145 N 78° 142 126 6 23C 1 1100 6 6 6 N 72° 10 N 12/6 230 1 1100 6 5 54, 1N 78° 02 W 12/6 230 1 1200 5 54, 1N 78° 02 W 17° 5 200 1 1400 5° 34.6N 77° 51 W 21° 5 21° 1 1500 6 38 5 1 5 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		070 20.5N		1125	1.5		
0400 07 10 78 37 W 156 5 150 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	03 00		790 42,2W	150	17		
0600 06 54 78 31 115 7 220 2 0700 6 43 78 27 3 73 215 6 230 9 0800 6 35 72 24 215 6 230 1 0900 6 223 73 78 14.2 121 6 230 1 1000 6 14 5 1 78 14.2 121 6 230 1 1100 6 6 6 1 78 05 W 180 6 245 1 1300 5 47 N 78 02 W 170 5 210 1 1400 8 34 6N 77 51 W 210 5 210 1 1500 5 32 5N 77 51 W 210 5 210 1 1600 65 38 5 1 1 1 1 1 2 1 5 210 1 1800 1 1 2 1 2 1 5 1 2 1 2 1 2 1 2 1 2 1 2 1	0400		78 37 W	156	5	150	
0700 (43		07 65	78 34	135	8	150	1
0800 6 35' 77° 24' 216 6 23C 1 0900 6 22.2' 78° 19.5' 216 6 23C 1 1000 6 145' 78° 142 121 6 23C 1 1100 6 6 6 78° 142 121 6 23C 1 1200 5 59, 1N 78° 05 W 180 6 245 1 1300 5° 47 N 78° 02 W 170 5 210 1 1500 5° 34.6N 77° 51 W 210 5 210 1 1600 66 38 5 6 7 7 51 W 210 5 210 1 1800 1 245 1 2000 5° 39' N 77° 54' W 240 10 245 1 2100 5° 42.3' 77° 54' W 240 10 245 1 2200 5° 49.8' 78° 03' N 240 10 245 1 2300 5° 49.8' 78° 03' N 240 10 245 1		06 54		115	7	220	2
0900 6 222' 72° 19.5 216 6 230 1 1000 6 145'N 72° 142 121 6 230 1 1100 6 06 N 72° 10.1'W 121 6 230 1 1200 5 54,1N ,5 05 W 180 6 245 1 1300 5° 47 N 78° 02 W 17° 5 210 1 1400 5° 34.6N 7751 W 170 5 210 1 1500 5° 32.5N 77° 51 W 210 5 210 1 1600 05 38 5 + 31 48 245 5 210 1 1800 1 245 1 2000 5° 39'N 77° 54'N 240 10 245 1 2100 5° +2.3'N 77° 54'N 240 10 245 1 2200 5° 49.8'N 78° 03'N 240 10 245 1 2300 5 49.8'N 78° 03'N 240 10 245 1			780275	73915	6	230	2
1000 1. 14 5 11 72° 14.2 12 1 6 230 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		16 22	12 27	215	6	230	1
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$		6 22.2'		215	6	230	1
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$		614511		121	6	230	
1300 5° 47 N 78° 02 W 17° 5 Z1° 1 1400 5° 34.6N 77° 51 W 17° 5 Z1° 1 1500 5° 32.5N 77° 51 W 21° 5 Z1° 1 1600 65 38 5 + 5 - 17 48 245 5 21° 1 1700 60 5 445 1 77° 54' W 24° 10 245 1 2100 5° 49.2' 78° 63' W 24° 10 245 1 2300 5° 49.2' 78° 63' W 24° 10 245 1 2300 5° 49.6' N 77° 66.4 W 24° 10 245 1		10°06 N		171	6		
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$		the second secon					
1500 5° 32.5N 77°51 W 210 5 710 1600 05 38 5 + 1 1 1 1 48 245 5 210 1700 (m Station 245 7 245 1 1800 11 2-40 5 245 1 2000 5° 39'N 77° 47'W 240 10 245 1 2100 5° +2.3'N 77° 54'W 240 10 245 1 2200 5° 49.2'1 78° 63'W 240 10 245 1 2300 5 49.6N 78° 66.4W 240 10 245 1				170			1
1600 65 38 5 1					5		1
1700 (m Station 245 · 7 245 / 1800 · · · · · · · · · · · · · · · · · ·					5		1
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$			The state of the s				,
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$		in	Station				
2000 5° 39'N 77°47'N 240 10 245 1 2100 5° 42.3'N 77°54'N 240 10 245 '1 2200 5° 49.8'N 78° 63'N 240 10 245 1 2300 5 49.6N 78° 66.4N 240 10 245 1		1 1	1.1	7-40	5		
2100 5° +2.3'N 77° 54'N 240 · 10 245 '1 2200 50 49.8'N 78° 63'N 240 10 245 1 2300 5 49.6N 78° 66.4W 240 10 245 1			11		_	245	/
2100 5° +2.3'N 1754'W 240 10 245 1 2200 50 49.8'N 78° 03'W 240 10 245 1 2300 5 49.6N 78 06.4W 240 10 245 1		5 39'1	7704/11		10	24-5	
2300 5 49.6N 78 06.4W 240 10 245 1		5° +2.3 N	1754W	The second secon		245	
		20 49.81	7800311	THE RESERVE OF THE PERSON NAMED IN COLUMN TWO IS NOT THE PERSON NAMED IN COLUMN TWO IS NAME			
2400 6 0 LN 75 19.5W 240			11 6 2 1 16			2,45	
	2400	16 0 LN	75 14.5W	240	10		

Organ	ization	1000					
	se: Time	·			25, Lo.		4
Miles	travelled	from 0000 hou	rs to sun	rise =			
		from sunrise					
		from sunset t		t	- 2 A		
		4					
		X TYPE OF			LONGITUD:		penny
1. 6	0800	Election	onie (538 N	10.56	ir	
	000 3AUG			N O =	フル	Rada	
)		O.			l. × -	
3.							
4. 18	844	Radius	ange o	7015	79 5	3	
E 21	L J J	riqual	org		2 ^		
5. 24	844 bdp	Visual	erg	1008'N	30°12,	5'W	
	y Positions	Visna Pricha	erg	1008'N	79 5 70°12.	5'W	
Hourl	y Positions	•					t
Hourl; Time	y Positions Latitude	Longitude	Wind Dir.				t
Hourl Time	y Positions <u>Latitude</u> 06° C 3,2N	Longitude	Wind Dir.	Wind Sp			t.
Hourl Time 0100 0200	y Positions Latitude OGCC3,2N	Longitude 78° 21.7W 78° 21 W	Wind Dir235 -220	Wind Sp			
Hourl: Time 0100 0200 0300	y Positions <u>Latitude</u> 06° C 3,2N	Longitude	Wind Dir. 235 220 220	Wind Sp			t.
Hourl: Time 0100 0200 0300 0400 0500	y Positions Latitude OGC 3.2N GC 47N GC 23N OG 23N	Iongitude 78° 21.7W 78° 21 W 78° 24 W 78° 24 W 78° 33 W	Wind Dir. 235 220 220 220	Wind Sy 10 10 15 15			t.
Hourl: Time 0100 0200 0300 0400 0500	y Positions Latitude OGC 3,2N GG 47N GG 23U OG 23U	Iongitude 78° 21.7W 78° 21 W 78° 24 W 78° 33 W	Wind Dir. 235 220 220 220	Wind Sp	o. Wave Dir		t.
Hourl: Time 0100 0200 0300 0400 0500 0600 0700	y Positions Latitude OGC 3.2N GC 47N GC 23N OG 23N	Iongitude 78° 21.7W 78° 21 W 78° 24 W 78° 24 W 78° 33 W	Wind Dir. 235 220 220 220	Wind Sy 10 10 15 15	220 220		t.
Hourl: Time 0100 0200 0300 0400 0500 0600 0700 0800	Jestions Latitude SGC3,2N SCG7N SC	Iongitude 78° 21.7W 78° 21 W 78° 24 W 78° 24 W 78° 33 W	Wind Dir. 235 220 220 220	Wind Sy 10 10 15 15	220 220 210		
Hourl: Time 0100 0200 0300 0400 0500 0600 0700 0800 0900	y Positions Latitude OGC 3.2N OGC 47N OGC 23N OGC 23N	Iongitude 78° 21.7W 78° 21.7W 78° 21 W 78° 24 W 78° 33 W 78° 41	Wind Dir. 235 220 220 220 220 220 220 020 020 340	Wind Sy 10 10 15 15	220 220 220 210 315		
Hourl; Time 0100 0200 0300 0400 0500 0600 0700 0800 0900 1000	Latitude Latitude OGCC3,2N RCGTN	Iongitude 78° 21.7W 78° 21 W 78° 24 W 78° 24 W 78° 33 W	Wind Dir. 235 220 220 220 220 220 220 220 220 240 340	Wind Sy 10 10 15	220 220 220 210 315		
Hourl: Time 0100 0200 0300 0400 0500 0600 0700 0800 0900	Jestions Latitude SGC3,2N SCG7N SC	Iongitude 78° 21.7W 78° 21.7W 78° 21 W 78° 24 W 78° 33 W 78° 41	Wind Dir. 235 220 220 220 220 220 220 020 020 340	Wind Sy 10 10 15	220 220 220 210 315		
Hourl: Time 0100 0200 0300 0400 0500 0600 0700 0800 0900 1000 1100 1200 1300	Latitude DGCC3,2N BCGTN BCG	Iongitude 78° 21.7W 78° 21 W 78° 21 W 78° 24 W 78° 33 W 78° 41 78° 41 79° 13' W 79° 13' W 79° 16' W	Wind Dir. 235 220 220 220 220 220 220 220 220 240 340 340	Wind Sp. 10 10 15 15 8 5	2-20 2-20 2-20 2-20 210 315 315	Wave Hg	
Hourl; Time 0100 0200 0300 0400 0500 0600 0700 0800 0900 1100 1100 1200 1300 1400	Latitude DGC3,2N BCG7N BCG7	Iongitude 78° 21.7W 78° 21 W 78° 24 W 78° 24 W 78° 33 W 78° 41 78° 56' 79° 6' W	Wind Dir. 235 220 220 220 220 220 220 240 240 340 340 320 320 320 320	Wind Sp. 10 10 15 15 15 10 20 20 20 20 20 20 20 20 20 20 20 20 20	220 220 220 210 215 315 315 310 310	Wave Hg	
Hourl; Time 0100 0200 0300 0400 0500 0600 0700 0800 0900 1000 1100 1200 1300 1400 1500	Latitude DGC 3,2N BC GTN BC GTN BC 23N BC	Iongitude 78° 21.7W 78° 21.7W 78° 21.W 78° 24.W 78° 33 W 78° 36' 79° 16' W 79° 17 W	Wind Dir. 235 220 220 220 220 220 220 240 240 340 340 320 320 320 320 320	Wind Sy 10 10 10 15 15 8 2 2 4 2 4 2 4 2 4 2 4 2 4 2 4 2 4 2 4	220 220 220 210 210 315 315 315 315 316 310 310 310	Wave Hg	
Hourl; Time 0100 0200 0300 0400 0500 0600 0700 0800 0900 1000 1100 1200 1300 1400 1500 1600	Jestions Latitude 56° 63,2N 8° 67 N 8° 12 N 8° 38 C 6° 38 C 6° 30 N 6° 48 N	Iongitude 78° 21.7W 78° 21.7W 78° 21. W 78° 24.W 78° 33 W 78° 37' W 79° 16' W 79° 17 W 79° 11 W 79° 11 W 79° 11 W 79° 11 W 79° 31	Wind Dir. 235 220 220 220 220 220 220 220 220 2340 340 340 320 320 320 320 320 320 320 320 320	Wind Sp. 10 10 15 15 15 10 20 20 20 20 20 20 20 20 20 20 20 20 20	220 220 220 220 210 315 315 315 310 310 310 310	Wave Hg	
Hourl; Time 0100 0200 0300 0400 0500 0600 0700 0800 0900 1000 1100 1200 1300 1400 1500 1600 1700	Latitude DGC 3,2N BC GTN BC GTN BC 23N BC	Iongitude 78° 21.7W 78° 21.7W 78° 21.W 78° 24.W 78° 33 W 78° 36' 79° 16' W 79° 17 W	Wind Dir. 235 220 220 220 220 220 220 220 220 240 240	Wind Sp. 10 10 15 15 8 5 15 10 8 8 10 8 8 10 8 8 10 8 10	220 220 220 220 210 315 315 315 310 310 310 310 330 330 330	Wave Hg	
Time 0100 0200 0300 0400 0500 0600 0700 0800 0900 1100 1200 1300 1400 1500 1500 1600 1700	Jestions Latitude 56° 63,2N 8° 67 N 8° 12 N 8° 38 C 6° 38 C 6° 30 N 6° 48 N	Iongitude 78° 21.7W 78° 21.7W 78° 21. W 78° 24. W 78° 33 W 78° 37' W 79° 16' W 79° 16' W 79° 11 W 79° 11 W 79° 11 W 79° 31 79° 31 79° 31 79° 31	Wind Dir. 235 220 220 220 220 220 220 220 240 240 340 340 320 320 320 320 320 320 320	Wind Sp. 10 10 15 15 15 10 20 20 20 20 20 20 20 20 20 20 20 20 20	220 220 220 220 210 315 315 315 316 316 310 310 330 330 330	Wave Hg	
Time 0100 0200 0300 0400 0500 0600 0700 0800 0900 1000 1100 1200 1300 1400 1500 1600 1700	Jestions Latitude 56° 63,2N 8° 67 N 8° 12 N 8° 38 C 6° 38 C 6° 30 N 6° 48 N	Iongitude 78° 21.7W 78° 21.7W 78° 21 W 78° 24 W 78° 33 W 78° 41 79° 16' W 79° 11 W 79° 11 W 79° 11 W 79° 11 W 79° 31 79° 31 79° 31 79° 31 79° 31 79° 31	Wind Dir. 235 220 220 220 220 220 220 220 240 240 240	Wind Sp. 10 10 15 15 8 5 15 10 8 8 10 8 8 10 8 8 10 8 10	220 220 220 220 210 210 215 315 315 316 310 310 330 330 3350 3350 345	Wave Hg	
Time 0100 0200 0300 0400 0500 0600 0700 0800 0900 1000 1100 1200 1300 1400 1500 1600 1700 1800 1900	Intitude Latitude 06° C3,2N 8° C7N 8° C7N 6° 12N 6° 38' 6° 38' 6° 38' 6° 48'	Iongitude 78° 21.7W 78° 21.7W 78° 21. W 78° 24. W 78° 33 W 78° 33 W 79° 16' W 79° 17 W 79° 17 W 79° 17 W 79° 17 W 79° 31 79° 31 79° 31 79° 31	Wind Dir. 235 220 220 220 220 220 220 220 240 240 240	Wind Sp. 10 10 15 15 8 5 15 10 8 8 10 8 8 10 8 8 10 8 10	220 220 220 220 210 315 315 315 316 316 310 310 330 330 330	Wave Hg	

\$ 16.5 327.38 305.86 305.63

Date	3A	UG	
------	----	----	--

Ship ROCKHUHY (W377) Cruise No. Englispac

Organization USCG Recorder

Sunrise: Time 0617 Position: Lat. 66 21, Long. 80 41

Sunset: Time 1836 Position: Lat. 50 08', Long. 80° 20

Miles travelled from 0000 hours to sunrise =

Miles travelled from sunrise to sunset

Miles travelled from sunset to 2400 hours = 47

	TIME OF FIX	TYPE OF FIX	LATITUDE	LONGITUDE
1.	0/800	Electionics	6024.2'N	80°39,3°W
2.	1200	Electronic		80°31.4'W
3.	2666	Colestial Electronic		i
4.	of of of	Electrical	4043,01	1 80 15,2 W
5.	,			•

Hourly Positions:

Time	Latitude	Longitude	Wind Dir.	Wind Sp.	Wave Dir.	Wave Hgt.
0100	6°551N	88° 54.6W	05_5	12		
0200	7001N	850541W	7.50	10	anniquelate better the second of the second	
03 00	6°58, IN	8 53,2h	240	15	Appendix and the second	
0400	076047.51	80° 52.W	190	12	-	
0500	CC 39	80 49	240	16		
0600	00 24N	80 435	180	12		
PR0700	60 24.2	80°39.3	226	10	Name of the last o	
0800	60 242'	800 393	200	8	125	2
0900	60 03.2	800 3301°	200	8	185	2
1000	50 501	800 35.	195	10	195	2
1100	5040'	170 311	195	10	185	2
1200	5091,0N	80°31.4W	220	157	270	2
1300	5 38,9N	80°28,2W	220	14	230	2
1400	50 38,9 N	80°28.2W	250	15	760	2
1500	50 40 18N	80°26.5W	220	15	245	Z
1600	50 32'	800 25 W	215	17	230	3
1700	5 2005	80 19	215	17	2-30	3
1800	56 08	80, 20	207	19	220	3
1900	HO56'	80.18	220	16	270	3
2000	40571	80° 16.8	225	9	225	2
2100	40561	830 14:	2253	G	225	2
2200	42 46	80.16	229	Cy	223	2
2300	40511	800171	225	Ó.	225	2
2400	40 43.4N	800 15,2W	225	10		

Date_	4	MU	9.	1	9	6	7	

Ship ROCKAWAY (W377) Cruise No.

Organization <i>USCS</i> Re	ecorder
-----------------------------	---------

Sunrise: Time 6669 Position: Lat. 352', Long. 79°57'

Longitude Wind Dir. Wind Sp. Wave Dir. Wave Hgt.

Sunset: Time 1830 Position: Lat. 2 17, Long. 1931

Miles travelled from 0000 hours to sunrise = 24

Miles travelled from sunrise to sunset = 105.5

Miles travelled from sunset to 2400 hours = 54,1

	TIME OF FIX	TYPE OF FIX	LATITUDE	LONGITUDE	
1.	0515	eruge	4 51	79°5.3'	
2.	0800 (112)	CELESTAL, ELECT	ONIC . 3025:5'N		
	1200	CELESTIAL, ELECTIV	ONIC 30 09.0'N	1 79° 41.2'W	
	2000	ELECTRONIC	2006.0'N	79° 20.8'W	

5.

Time

Hourly Positions:

Latitude

0100	40 430N	80° 15,2W	225	10		
/0200	华的特别	80 14 26W	225	15		
03 00	4088 N	80°04 W	225	15		
0400	404	80 00	218	14	~	
0500	H RC	79 55	215	14		
0600	3 52	7957	2.18	15	190	039 ************************************
0700	3 41	79 49	198	13	220	2
0800	3 25:5	7944	225	10	220	2
0900	3017'	79048	225	10	720	7
1000	3 17.5	79 46-	225	10	220	2
1100	3018, W	79043'	225	10	220	2
1200	30891 N	79°41,2'W	225	10	220	"7_
1300	30 N	79049'W	273	10	220	2
1400	20511N	79° 36.2W	225	10	720	2
1500	7030 N	79034.5W	225	10	2.20	2_
1600	2 25	7933	220	9	220	1
1700	2-18	79 32	220	(1	220	2
1800	2017,7	79 31	220	10	220	2
1900	206	79 27.6	220	14	220	2
2000	2006	79 20.8	235	10	240	_2
2100	19535	790181	7907171	> 7	270	2
2200	10431.	7907 4	270	-9-7	2.70	0
2300	104/1	79 21.2	270	-7	275	2
2400	1:40:	7902316	255	8	0	

21,1

31.1

43.1

51.1

54,1

Date 574	U	6	6	1	
----------	---	---	---	---	--

Ship ROCKAWAY (W-377)

Cr	uise	No.	

Organization	USCG
--------------	------

Recorder

Sunrise: Time 6623 Position: Lat. 10 24 N Long. 80 3/W

Sunset:

Time 1838 Position: Lat. 3° 31'N Long. 81°57' W

Miles travelled from 0000 hours to sunrise = 7/

Miles travelled from sunrise to sunset

Longitude Wind Dir. Wind Sp. Wave Dir. Wave Hgt.

Miles travelled from sunset to 2400 hours = 22

	TIME OF FIX	TYPE OF FIX	LATITUDE	LONGITUDE
1.	155	CELESTIAL	1° N	82° W
2.	2000	ELECTRONIC	0018.71	PIOSTE W
3.	BARA	EVELTROVIC	\$ 221N	81°55, p'ul
4.	4300	CELESTIAL	10 06.5 N	81°27.0' W
[5.	0800	CELESTIAL	10 18:0'N	80° 47.0'W

Hourly Positions:

Time

Latitude

0100	1037,5N	79027,340	255	17	· Callege Contraction	-
0200	10 341N	790 401W	253	15		
03 00	10311N	790 5-9, ZW	255	15		
0400	10 30 N	80 04 41	2	12	B	
0500	126	80 11 w	210	16		and the second
0600	1 25	80 2600	210	16	are constitution of the co	
0700	10 21'	80 38 W	200	17	~	
0800	10/21	800471	2 00	20	210	2
0900	1010.21	800 54.3	180	20	210	2
1000	10 /7.W	P197'W	Les P	10		
1100	10 131	810125	210	10	230	j
1200	10 B6,5N	81°27.0W	210	8	230	i
1300	1005 N	81048W	210	10	230	1
1400	1.0001N	8105360	210	10	230	
1500	ION	820 W	-2-10	8	2-30	
1600	1 N	824	210	8	230	1
1700	0 47	81 58	210	9,	2-30	1
1800	0 371	8156	196	8,5.	185	2
1900	0 26N	01 58 W	196	8.5	195	2_
2000	0° 18.71	310575	195	4	195	1
2100	0° 21'N	310 581	135	2	195	1
2200	0° 21,2'N	810 591	200	1	210	
2300	001951	810 56.5	200	2	210	1
2400	0° 72'N	81°55.0W	240	2		

1	
1	N/M
	1

Date 6	AUG.	6	7	
--------	------	---	---	--

Ship ROCKAWAY (W-377) Cruise No.

Organization OSCG Recorder

Sunrise: Time 0630 Position: Lat 9 365, Long 82 00 W
Sunset: Time 1835 Position: Lat 2 4.58, Long 82 00 W

Miles travelled from 0000 hours to sunrise = 30

Miles travelled from sunrise to sunset = 88

Miles travelled from sunset to 2400 hours = 30

	TIME OF FIX	TYPE OF FIX	LATITUDE	LONGITUDE
1.	0608	4	0° 34'5	82°00'W
2.	9864	A. A.	00 5255	
3.	244	1	2019.75	
4.			2 // / 3	

5.

Hourly Positions:

Time	Latitude	Longitude	Wind Dir.	Wind Sp.	Wave Dir.	Wave Hgt.
0100	\$016°N	8-10556W	240	8	- quantity (MIT)	1
0200	DO DO WHY	81°57,160	215	45	:	1
03 00	04 11,365	8/059,600	715	id		
0400	0° 325	82 00 W	220	12-		
0500	0° 30's	82 0000	220	15	220	1
0600	0 24.5	82 00	180	17	180	2-
0700	0 42	81 58	205	8	180	2
0800	00 52.55	82000W	900	P	200	100
0900	10033	82000 W	200	4	210	2
1000	100515	81059'W	200	ef	200	2
1100	POG. 2'S	82.01, 5 W	200	C-f=	200	2
1200	1014.015	87001.01M	200	10	200	
1300	10 38,815	810591W	200	10	200	1
1400	27,25	81°57461	700	49	2 6-4	(
1500	1020,515	81°59,21W	1200	10	700	f
1600	10 45	8159 W	20e.	6	20-6	2
1700	1. 48,55	81 59 W	200	10	200	3
1800	2 016	82 W	180	15	180	3
1900	20 6.55	82 W	169	10	180	3
2000	20 19 75	FIOFF5	165	20	180	2
2100	202415	8136.5M	165	17	180	2
2200	2027'5	819 55 W	161	10	180	2
2300	20 29,35	81 505 W	165	P	180	
2400	20 3315	810 SRIW	185	10		

Date 740567 Ship ROCKAWAY (W377) Cruise No. Organization USCS Recorder
Sunrise: Time <u>O(29</u> Position: Lat. , Long
Miles travelled from 0000 hours to sunrise = 7/ Miles travelled from sunrise to sunset =
Miles travelled from sunset to 2400 hours = TIME OF FIX TYPE OF FIX LATITUDE LONGITUDE
1. 0800 VISUAL 20-43.2'S 80°28.0'W 2. 1260 VISUAL 20-27.8'S 80°53.5'W
3.4.
5. Hourly Positions:
Time Latitude Longitude Wind Dir. Wind Sp. Wave Dir. Wave Hgt 0100 203865 8051160 1800 12 -
0200 2°30,55 81°311W 180 12
0600 2 43 80 42 145 12 0700. 2 44 80 32 230 6 220 2 0800
1000 TOWARDS QUALADOR 1200 1300 1400 1400 1000
1500 1600 1700 1800
1900

23 00 2400

2-53-2 (X WT) H

Date 1 11	Ship Iv	(377) Cruise	No.
Organization /)S(Rec	order		
Sunrise: Time 06	32 Positio	n: Lat	, Long.	
Sunset: Time 183	Positio	n: Lat. <u>03°</u>	1.6'4 Long.	81°38.2 W
Miles travelled from	0000 hours to s	unrise =		
Miles travelled from	sunrise to suns	et =		
Miles travelled from	sunset to 2400	nours =	D'	
TIME OF FIX	TYPE OF FIX	LATITUDE	LONGITUDE	
1. 1200 2	VIS & 1940	02-44.55	80-27 4	>
2. 2000 m	ELECTIONIC	03°05.0'5	81°58.	o'w
3.				
4.				
5.				
Hourly Positions:				

Time	Latitude	Longitude	Wind Dir.	Wind Sp.	Wave Dir	Wave Hgt.
07.00					T	
0100						
0200						
03 00				· · · · · · · · · · · · · · · · · · ·		
0400						
0500						
0600						
0700						
0800						
0900		PRO	CEEDING	DOWN	RIVER F	12019
1000			CIUASA	QUIL		
1100						
1200	2044.55	80 27 41	240	12	2495	1/0
1300	7.646 5	803502) -1	1/	24.	, ,
1400	2.505	80484	235	1 - 1	1 - 1 - 1 -	p.
1500	7 535	81054	245	18	245	1/2
1600	2 56.85	81º 17.1W	245	10	245	1/2-
1700	305	81031.18	7.45	10	245	1/2
1800	3°2,75	81° 45.3 W	245	13	245	1/2
1900	300415	810 57.2W	2.45	12	2.45	1/2
2000	3007.55	82 61 W	135	8	-	
2100	3007.55	87 59 n	135	8	dent	
2200	30 10.55	81 592	1375	E		
2300	3175	81 59 12	135	R		-
2400	3 19 5	81 500	195	7	grande one i	



Date 10 Chap 1967 Shi Organization USCG			Ż) Crui	se No.	1
Sunrise: Time 0634 Sunset: Time 1831			°52'S Lo		
Miles travelled from 0000 h Miles travelled from sunris	ours to sun	rise =	36 mi		
TIME OF FIX TYPE C	F FIX L	ATITUDE	LONGITUD	E	
1. 0800 ELE	CTRONIC	4014.85	8900	0.0 W	
2. 1200 CE	LESTIAL	4032.31	5 820	02.5W	
3. 2000 EL	ECTRONIC	50520	o's 82°	, 00:0M	
4.					
5.					
Hourly Positions:	e Wind Dir	. <u>Wind Sp</u>	. Wave Dir	. Wave H	gt.
0100 30.30/3 82000	205	6	135	1/2	
0300. 3016. Z'S 820 W	194		135	7	10
0400 3 28.215 820 6	190	15	and a		12
0500 30 4015 81 5812	185	12			
0600 305ZIS 820W	195	12.	150	1/2	
0700 3 52 82-	175	10	175	1/2	
0800 4 14 82	175	10	175	1/2	
0900 425 52	175	10	175	147	
1000 4.34 8202	130	4	130	1/2	
1100 4 35 82 04	170	7	170		
1200 4 40 8201	135	13	140		
1300 442,3 8202,	140	100	140	12	
1500	120	10	140	1.1/2.	
1500 459 8200 1600 502215 82500U	1130	10	140	12	
7000 0	1 1 3	10		12	

50 52 8

Oto

01,5

5.250 Ph.

51.4 - yu

82-00 N

OLU

1,30

593 46

Date 11 14UG Ship ROCKHUMY (437) Cruise No. E.	Thopeic
Organization USCG Recorder	
Sunrise: Time Sunrise: Lat. Fosition: Lat. Sunrise Sunrise	co cu
Sunset: Time 1827 Position: Lat. 8°38'5, Long. 82	6
Miles travelled from 0000 hours to sunrise = 47.7	
Miles travelled from sunrise to sunset = 119	1
Miles travelled from sunset to 2400 hours =	
TIME OF FIX TYPE OF FIX LATITUDE LONGITUDE	
1. 0800 DR, ELECTRONIC 07° 14.5°S 82° 01.0'W	

1. 0800 DR, ELECTRONIC 07° 14.5°S 82° 01.0'W

2. 1200 CELESTIAL 07°34.0'S 81° 59.0'W

3. 2000 DR, ELECTRONIC 08° 50.8'S 82° 01.0'W

4.

5.

Hourly Positions:

Time	Latitude	Longitude	Wind Dir.	Wind Sp.	Wave Dir.	Wave Hgt.
0100	06-225	082-00W	130	20	130	F
0200			125	18	130	1
03 00			125	20	130	1/2
0400	06-475	CE1-28 M	135	10	130	1/2
0500	06-475	081-580	140	11	1.30	1/2
0600			150	13	130	1/2
0700	07-075	081-586	140	10	130	1/2
0800			127	11	130	
0900	07-285	081 57W	1.35	8	1.30	
1000	07-285	081- 7W	135	90	130	2
1100	07-285	08,1-574	140	4	130	2
1200	073404	8 K-57 W	140	2	130	5
1300	07 H25	82-01	140	5	140	7
1400	07535	ラストのス	160	15	140	2
1500	08085	3200	155	15	140	12
1600	SE 4415	82-4414	170	10	170	Z.,
1700	801615	820 0	173	1.5	170	3
1800	8-31,55	820 60	170	12	170	3
1900	56 4515	8200	160	15	160	3
2000	8 30.8	57 01.0	137	15	146	2
2100	8 50.8	89-010	139	15	140	2
2200	8 50.8	82.01.0	139	15	140	2
2300	83 57 8	82.010	139	18	1.40	2
2400	850.89	8201 W	070	12	1-20	3

Doto	10 4-3 c 1 pm			14.846	as we are		·
Date_	12 41(67	19101 Sn1	PROCHA	ity (int.	371)	Cruise	No.
Organ:	ization <u>//3</u>	6/4	Record	ler			
Sunris	se: Time (\$640	Position:				0
Sunset	t: Time	18-23	Position:	Lat.	9°5215,	Long.	81°59'4
			ours to sunr e to sunset		- 11		
Miles	travelled	from sunset	to 2400 hou	rs =	6		
	TIME OF FI	X TYPE O	F FIX LA	TITUDI	E LONG:	ITUDE	
1.	0800	DR,	ELECTRONIC	10	01.5'5 &	31059	·2'W
2.	1200	CE	LESTIAL , BLEC	TRONIC	1009.03	810	53.0°W

CELESTIAL

09°50.5'S 80°53.2'W

4.

3.

5.

Hourly Positions:

2000

Time	Latitude	Longitude	Wind Dir.	Wind Sp.	Wave Dir.	Wave Hgt.
0100	08595	82000	116 \$. 19 -	
0200			1/5 *	1/	100	2
	29085	82000	130	20	100	52
03 00	0926	82006	130	10	100	1
0400	0903315	82.00016	150	15	1501	2
0500	09 353	820 44160	110	13	110	.2-
0600	903915	8.20001W	35	一多	130	12_
0700	905/13	82 galle	145	13	130	3
0800	10 01.5	82 69.2	135	17	140	12
0900	10 14	82-	134	18	140	-2
1000	10 14 3	82	126	20	140	3
1100	10 14	82-	135	20	14/1	Same of the same o
1200	10003	81-53W	120	文〇	146	5-9
1300	10 390	81-1/20	120	20	140	W.
1400	1001,55	81-28W	130	19	140	
1500	10025	81-220	095	17	140	3
1600	1000215	8102214	135	15	130	3
1700	1005	81° 201W	105	17	130	3
1800	9 54.5	810001W	105	入い	1/50	4
1900	9 515	90°53'W	105	20	130	4
2000	9 4/5	80,570	105	20	130	2.1
2100	9515	80 = 700	105	20	130	4
2200	9513	8053W	015	20	130	4
2300	9515	8053 W	015	20	130	1-1
2400	9 505	8053 W	140	18.5	130	3

Date 13 HUBUST 1967 Ship ROCKHWAY (4)377) Cruise No. Eastropac-11

Organization U366 Recorder_

Sunrise: Time \$\mathbb{U}631\$ Position: Lat. 903015, Long. \$\text{SO"}\mu\$

Sunset: Time 1813 Position: Lat. 10°31'S, Long. 78°53'W

Miles travelled from 0000 hours to sunrise = 50

Miles travelled from sunrise to sunset = 92

Miles travelled from sunset to 2400 hours = $\frac{1}{2}$

	TIME OF FIX	TYPE OF FIX	LATITU	DE LONG	ITUDE
1.	0800	ELEC. 09° 26.05	フテ	° 56.8'W	
2.	1200	CELESTIAL & ELEC	TRONK	09°31.7'5	79°34.0'W
3.	2000	CECESTIAL & EL	ECTRONIC	10041.85	78° 48.3'W
4.					

5.

Hourly Positions:

Time	Latitude	Longitude	Wind Dir.	Wind Sp.	Wave Dir.	Wave Hgt.
0100	904905	80°-454	130	20	130	73
0200	40445	80°-30 W	115	in (1)	130	3
03 00	90-425	800-24 W	1.25	185	135	4
0400	963715	800 131W	135	io	135	4
0500	953715	801/314	135	15	135	4
0600	903615	80°07'W	105	10	135	4
0700	903215	80004 W	100	10	130	4
0800	9 28.55	79 45 W	120	7.5	136	3/
0900	9 24,5	79 33	12-0	7.5	180	4
1000	9 245	79 33	140	, 4	130	4.
1100	9 22	7939	120	15	130	
1200	9-31.75	77-4	140	1,2	130	4
1300	9-41-	75 1	1802-	0	173	3
1400	Cop - " 1 5"	or of the	1 1	18,	120	-ms2 ^{er}
1500	9==95	79-15		,	of die	
1600	104955	79 081W	140	20	160	4
1700	10024,55	79 W	140	20	160	4
1800	10°285.	7355 W	135	Ze	160	4
1900	10038.55	780 4916	135	22	160	5
2000	10 41.8	78 48.3	135	23	160	5
2100	10 1.5	75 11	141	25	1100	
2200	10 5.1/5	73 36	140	00	1/10	5
2300	11085	7824	7 120	2-3	100	5
2400	11/133	7825W	124	72	160	4

1749
49
1838

•

. .

* .

Date 14 Chap 1967 Ship Ron Raway (2037) Cruise No Organization L15(4 Recorder
Sunrise: Time 1624 Position: Lat. 1159'S, Long. 77°45'W
Sunset: Time /303 Position: Lat, Long
Miles travelled from 0000 hours to sunrise = $\frac{78.9}{}$ Miles travelled from sunrise to sunset = $\frac{78.9}{}$ Miles travelled from sunset to 2400 hours = $\frac{78.9}{}$
TIME OF FIX TYPE OF FIX LATITUDE LONGITUDE
1. 0800 ELEC., UISOAL 12°01.5'S 77°15.3'V.
2.
3.
<u>}</u> +.
5.
Hourly Positions:
Time Latitude Longitude Wind Dir. Wind Sp. Wave Dir. Wave Hgt.

0100	11-22	18-17 6	125	22	160	
0200	11-295	7812 0	134	23	1.40	inf
03 00	11-405	78-03W	140	20	60	4
0400	11036.55	780091W	130	20	160	4
0500	110 48'5	7705-81W	135	20	160	64
0600	1105315	77° 35'W	130	18	160	19
0700	1105615	770 31.8W	130	14	160	4
0800		-				
0900			V			
1000		•	CALLAO.	PERO		
1100						
1200						
1300						
1400						
1500						
1600						
1700						
1800						
1900 2000						
2000						
2100						
2200 2300 2400						
2300						
2400						

Date 10 Aug 1967 Ship Rockaully () Cruise No Organization Recorder
Sunrise: Time 1207 Position: Lat Lalla, Long. Sunset: Time 1307 Position: Lat. 12°21'S, Long. 77°49'i
Miles travelled from 0000 hours to sunrise = 600000000000000000000000000000000000
TIME OF FIX TYPE OF FIX LATITUDE LONGITUDE
1. 2888 EELESTIAL 12°31.8'S 78°19.3'W 2.
3.
4.
5.
Hourly Positions:
Time Latitude Longitude Wind Dir. Wind Sp. Wave Dir. Wave Hgt.

Time	Latitude	Longitude	Wind Dir.	Wind Sp.	Wave Dir.	Wave Hgt.
0100						
0200						
03 00						
0400						
0500						
0600						
0700						
0800						·
0900			CALLAO	17E1(1)		
1000						
1100						
1200			3-17			
1300						
1400	AMARIA		160	-17	208	1/2
1500			160	15	150	2
1600	12016,50	フクロディ5%	150	9	180	1/2
1700	12.1503	7 7 40 W	150	10	180	1/2
	12 215	7749100	150	10	150	1/2
1900	120 2618	7834.51	133916	135 -14	185	1/2
2000	12031,05	78 19,3 W	160	10	160	1/2
2100	120 30.85	78 43.1 W	160	14	160	12
2200	120 30.85	78°03.10	1535	14	150	1/7
2300	170 30.85	785 03.16	165	14	160	1/3
2400	120 30.85	78003./W	160	12	160	1.2



Date	1	AUG	67
	ſ	•	

Ship (CC POCKAWAY WAXO 3 Pruise No.

Recorder Organization USCG

Sunrise: Time 6699 Position: Lat. 1950S. Long. 7908

Sunset: Time 12/6 Position: Lat. 13 2/5, Long. 2009 W

Miles travelled from 0000 hours to sunrise = 37.8

Miles travelled from sunrise to sunset = 96.5

Miles travelled from sunset to 2400 hours = 50,4

-	TIME OF FIX	TYPE OF FIX	LATITUDE	LONGITUDE
1.	0800		1205015	79014.216
	1200		12058-515	79:31.81 8
3.	20-00			86°48.51 W

4.

5.

Time	Latitude	Longitude	Wind Dir.	Wind Sp.	Wave Dir.	Wave Hgt.
0100	12 26	78 14	160	10	1(00)	2
0200	12 16	78 14	125	17_	130	4
0300	12 335	18 26 W	175	12.	130	4
0400	120 8092-539	78° 37'W	150	16	130	3
0500	120 44.55	78° 52'W	150	16	160	3
0600	13047'5.	780 53'W	150	10	165	3
0700	100575	790021W	150	16	185	3
0800	12 50 yis	790 14.71W	.710	10	700	2
0900	1305 .	79°31,3'W	160	3	700	2
1000	1205615	79031.36	330	3	180	2
1100	1205-615	79° 31.36	350	3	190	-2_
1200	1258,55	79 31.8W	180	10	150	2
1300	1303	79 43	180	10	150	Later Contract of the Contract
1400	13085	79 57.5	177	12	180	4
500	13 /2.15	80 12 W	195	3	190	#
1600	+3-130104		175	F	190	4
1700 1800	1301115	80"13'W	175	1)	190	4
	17915	20 3625'V	0175		125	3
1900	13 24.55	80 37,8 W	140	18	175	3
2000	13 27,215	80 48,5 W	175	10	155	B/2.
2100	130.3615	80051160	145	10	15-5-	12
2200	1303015	80 51 W	145	15	155	/2
23 00	130 395	80.53: 10	145	15	15-5	11:
2400	17515	80 56 W	131		133	72

Date 18AUG 67	Shipcac Rockaway	WAGO377cruise
---------------	------------------	---------------

Organization USC6	Recorder
-------------------	----------

Sunrise: Time <u>CC41</u> Position: Lat. <u>13°52'S</u> Long. <u>21°52'W</u>

Sunset: Time <u>182'S</u> Position: Lat. <u>14°29'S</u> Long. <u>83°35'W</u>

No.

Miles travelled from 0000 hours to sunrise = 54.7

Miles travelled from sunrise to sunset = 98.2

Miles travelled from sunset to 2400 hours = 20

	TIME OF FIX	TYPE OF FIX	LATITUDE	LONGITUDE
1.	0800		· ·	8-2° 25.71W
2.	12.00		140 94 5	82043.06
3.	2000		140 29.05	83048,71W

5.

Time	Latitude	Longitude	Wind Dir.	Wind Sp.	Wave Dir.	Wave Hgt.
	,			/		1./
0100	13004.04	819 08' W	131	9.8	130	1/7-
0200	13 41	81 22 W	138	11	130	1/2
03 00	1. 155	8131.5 W	145	15	1319	Vr
0400	13044 35	51932 2 W	125	10	130	1/3
0500	13046.5	18/0 32/14/	1095	7/2	13/2	1/5
0600	1305015	510 465 W	10:5	71	135	1/1
0700	1305365	701 5605 W	095	77	135	y's
0800	13057,50	82025,761	160	10	155	
0900	130585	× .	160	10	123	1
1000	1205815	82125W	160	10-		/
1100	1405	820 281W	160	10 -	153	1
1200	14.04 5	82 43 W	40135	11	140	2
1300	12 105	82 46.5W	135	12	130	i
1400	16115	82 57W	140	15	140	2
1500	14 19 5	83 2.5W	130	15	1360	2
1600	14 185	83 00 W	130	15	130	1
1700	14 22.88	83 12.5W	1240	15	126	/
1800	14 26.55	8,35 36,1M	1.26	15	130	Y2
1900	14031.25	230 408 W	74135	15	1.30	Y2
2000	14027,05	83649,76	120	15	135	(
2100	19'27.05	83 40 . 76	110	16	135	1
2200	140 27.05	830 40 Ju	120	18	135	1
2300	140 27.85	835 40.7 h	175	20	135	1
2400	14027.05	83:40,7 0	135	15	135-	

Date	19 Acus	67
	7	/

Ship CEC ROCKANDAY WAGO-30 Prise No.

Organization	1566
--------------	------

Recorder

Sunrise: Time 3553 Position: Lat. 14° 41.55 Long. 84° 40' W

Sunset: Time 1734 Position: Lat. 13° 49.35 Long. 85° 01' W

Miles travelled from 0000 hours to sunrise = 53

Miles travelled from sunrise to sunset = 95

Miles travelled from sunset to 2400 hours = 42

	TIME OF FIX	TYPE OF FIX	LATITUDE	LONGITUDE
1.	0800	DELESTIAL	14°58.5'S	85°00.0'W
2.	1200	CELESTIAL	140 42.7'5	85° 00.5'W
3.	2000	CELESTIAL	13°35.0'5	85°00.0′W

4.

5.

Time	Latitude	Longitude	Wind Dir.	Wind Sp.	Wave Dir.	Wave Hgt.
07.00	1111 7:25	67 76		7		
0100	14 533	83 57	150	14	150	
0200	14 383	4403	130	19	130	1
03 00	14 445	8415	130	17	130	2
0400	14.415	240 21 W	130	15	130	1/2,
0500	140475	24/6 24 W	130	15	130	1/2.
0600	140 5/5	84° 965 WY	2w/3d	15	130	10
0700	14 54.55	840 50,8 W	115	15	124	1/2
0800	14058,515	85-0 W	130	10	135	1
0900	14058.515	85°CV	130	10	135	1
1000	1458.55	85°W	13.0	12	130	-
1100	14 54	85 W	110	12	130	(
1200	1445	85 vi	090	8	140	-3
1300	14000	W/	090		140	3
1400	14 18	85 W	090)	140	3
1500	14 18	85 W	104	5/	140	3
1600	140/01	85 COW	134	14	150	A
1700	13058.55	25 00 W	1.15		150	7
1800	13041.85	8506W	115	3	1501	3
1900	130 355	950027W	120	15	150	3
2000	13035,65	85 W	130	15	1500	3
2100	1303515	85-60	130	17	150	2
2200	130 7015	85W	120	15	150	į.
2300	13020,55	85W	1/0	10	150	ĺ
2400	130 10.05	85W	105	15	150	2

Date 20 Aug 1967 Shipecc Rockauay (water-3)77 Cruise No Organization USC6 Recorder	
Sunrise: Time <u>1553</u> Position: Lat. 10° 475, Long. <u>85°04</u> W Sunset: Time 1734 Position: Lat. 11°095, Long. <u>85°w</u>	K to
Miles travelled from 0000 hours to sunrise = 40 Miles travelled from sunrise to sunset = 90 Miles travelled from sunset to 2400 hours = 53 TIME OF FIX TYPE OF FIX LATITUDE LONGITUDE	000
1.0800 2.1700 14042,75 850 W	
3. 2000 4. 13° 35'S 85° W 5.	19
Hourly Positions: Time Latitude Longitude Wind Dir. Wind Sp. Wave Dir. Wave Hgt.	
0100 12 53 85 103 12 100 1 0200 12 53 85 120 15 130 1 0300 12 53 85 140 15 136 1 0400 12 53 85 160 15 135 1 0500 12 53 85 160 15 135 1	

0100	12 53	85	103	1.7	100	(
0200	1253	55	120	15	130	
03 00	12 53	3.5	1401	15	130	1
0400	1753	85	160	15	135	7
0500	12 53	85	160	15	134	/
12 44 0600	49-59	8504	160	15	135	1
0700	120 28.5	850055	166	15	135	1
0800	12017.25	850\$1.B'W	110	10	145)
0900	1201315	8-500	125	10	145	1
1000	1201315	85h	120	10	150	(
1100	1201315	852	120	6.5	150	ĺ
1200	12 00:35	850K	090	12-	150	3
1300	11 515	85 W	090	12	150	3
1400	1137.55	stu	0000	12	150	3
1500	1129	85 W	040	12	150	-3
1600	11 29	8541	130	15	150	5
1700	110 15 8	85°W	130	7	150	.3
1800	110 03.2	25°W	135	per for	150	3
1900	1005015	850 W	150	12	150	3
2000	1004615	85° W	135	15	130	
2100	100 46.5	850 M	130	15	130	(
2200	10 4615	557 W	130	18	130	(
2300	10 46 5	85° W	130	18	130	1
2400	10 44	85	130	15	(30	

Date	21 Aug 67	
	•)	

Ship ROCK AWAY (WAGO) 377 Cruise No.

Organization US(G Recorder

Sunrise: Time 0549 Position: Lat. 10°00'S, Long. 85°00W

Sunset: Time 1740 Position: Lat. 8 20'S, Long. 25 62 W

Miles travelled from 0000 hours to sunrise = 40.3

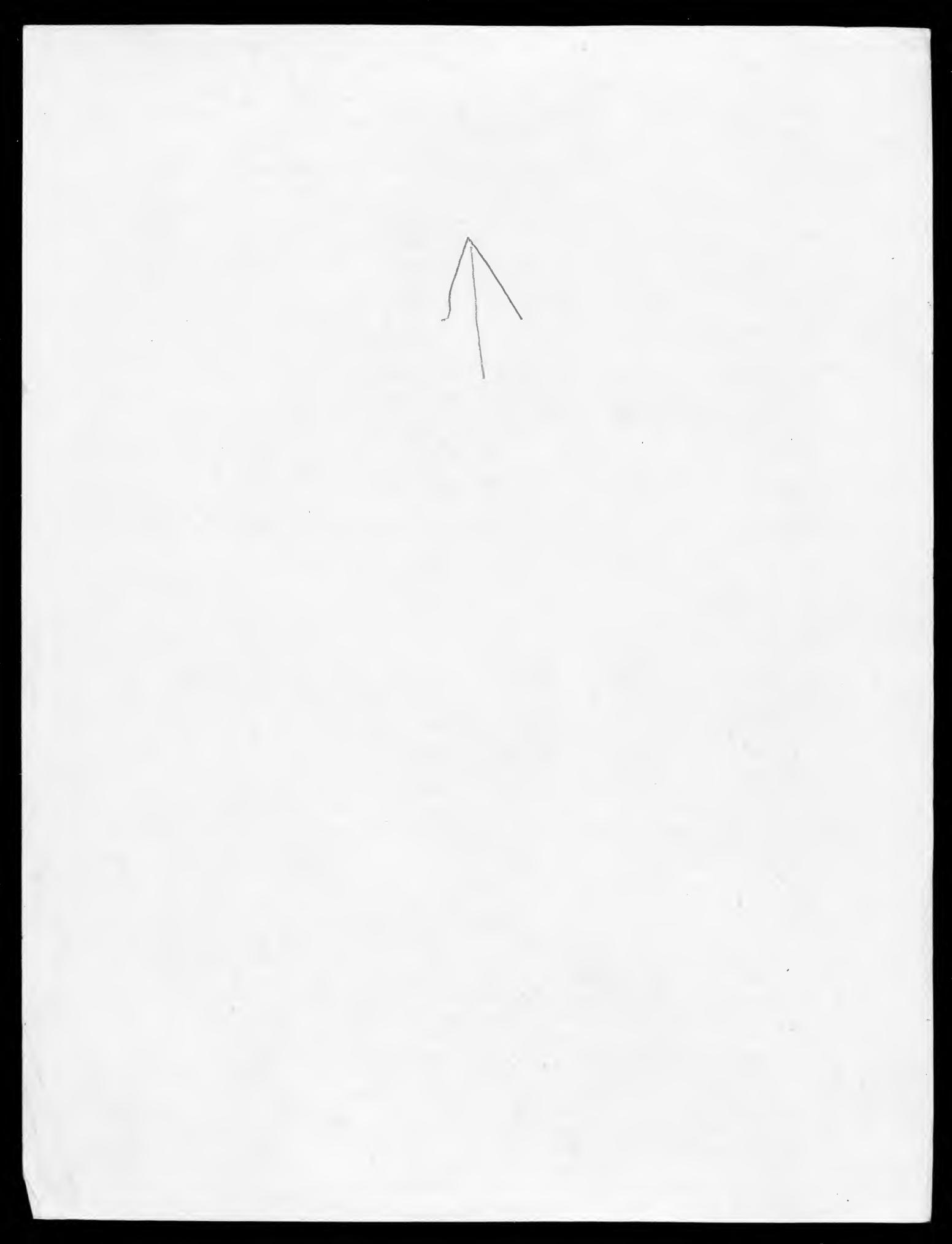
Miles travelled from sunrise to sunset = 27.0

Miles travelled from sunset to 2400 hours = 42

	TIME OF FIX	TYPE OF FIX	LATITUDE	LONGITUDE
1.	0 500		9031.815	850 \$ 3.6 W
2.	7200		9003.85	850 87.8'4
3.	2000		•	850 02.00 W

5.

Time	Latitude	Longitude	Wind Dir.	Wind Sp.	Wave Dir.	Wave Hgt.
0100	10 39.55	85 00W	135	15	130	2
0200	15 2-7	85 00 00	130	15	130	2
03 00	10.05	8500	130	15	130	
0400	100055	2500'W	125	14	130	2
0500	100055	84° 58.3'W	122	12	130	2
0600	9055'5	85°00'W	125	10	135	2
0700	994255	83066 We	125	10	135	2
0800	90 31.815	85093.61W	120	10	133	2
0900	902315	85 W	120	10	135	-2_
1000	90 2315	55°W	120	10	135	2.
1100	902815	85041	120	10.	135	2
1200	4031	85 07.8	135	15	135	2
1300	8 51.	8503	135	15	135	2
1400	87.30	85 01.8'W	11	11	17	1
1500	80355	85° 00 6W	-1	1	11	16
1600	203215	85°01.5W	135	15	135	3
1700	20 24.50	75015 W	135	i C.	135	3
1800	80 1615	85002'W	135	10	135	3
1900	80075	85002 W	135	16	135	3
2000	705915	85°02'W	135	2015	135	2
2100	705915	85024	135	18	135	2
2200	70575	8502'W	140	15	133-	~2
2300	7053'5	854	130	15	140	
2400	7 42	85 W	125	16	130	



	· `		
	AT NUR!	(7
Date	メナけいじ。 V	0	
			-

Ship Rockaway () Cruise No.

Organization 1)5(6 Recorder

Sunrise: Time 0547 Position: Lat. 6585, Long. 350W

Sunset: Time 1743 Position: Lat. 5°25'S, Long. 85° W

Miles travelled from 0000 hours to sunrise = 38.6

Miles travelled from sunrise to sunset = 86.2

Miles travelled from sunset to 2400 hours = 25,4

	TIME OF FIX	TYPE OF FIX	LATITUDE	LONGITUDE
1.	0500		6040'5	850 07 4
2.	1200		6017,315	85-005/81
3.	2000		50 11.3'5	84058,514

4.

5.

$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	Time	Latitude	Longitude	Wind Dir.	Wind Sp.	Wave Dir.	Wave Hgt.
0200 7 19 85 100 10 150 2 0300 7 17 85 135 10 150 2 0400 7 12 8 3 135 10 150 2 0500 7 6 9 3 3 2 5 150 11 145 3 0700 7 4 6 2 5 8 7 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	07.00	70 701	85 10)	7/10	17)	157	9
0300 7 17 8 5 735 10 15 0 2 0400 76 12 5 8 5 73		7 19	85	100	10		2
0400 7° /2'5 85 136 16 150 2 0500 7° 63'5 25 150 135 13 150 2 0600 7° 54'5 25 150 11 145 3 0700 6° 46 25 07'W 140 10 150 2 0800 6° 35'5 85W 140 10 150 2 1000 6° 35'5 85W 140 10 150 2 1100 6° 38'5 85° 85'W 140 10 150 2 1100 6° 38'5 85° 85 W 130 10 150 2 1200 6° 17.35 85 05 W 130 6.5 150 2 1300 6 65 5 85 05 W 130 7 150 3 1400 65652 8502 130 7 150 3 1400 65652 8502 140 10 10 150 3 1500 66'5 2 85 02 140 10 10 10 2 1700 50 32'5 85° 60'W 180 10 10 2 1800 50 19'5 85° 60'W 180 10 10 2 2000 5 11.3'5 84'585W 160 10 2 2000 5 11.3'5 84'585W 165 10 2100 50'1.3'5 84'585W 165 10 2200 50'1.3'5 84'585W 165 10 2300 50'1.3'5 84'585W 165 10		717	85	135	10	1,0	*>
0500 7° 6313 25° 135° 135° 100 0 0600 7° 545 25° 150 11 145 3 0700 6 46 25° 67' 16 11 145 3 0800 6 35' 5 85 W 140 10 150 2 1000 6 35 5 85 68 W 140 10 150 2 1100 6 35 5 85 68 W 140 150 1750 2 1200 6 17.35 85 05 W 130 6.5 150 2 1300 6 55 8 85 05 W 130 7 150 3 1400 65 5 85 05 W 130 7 150 3 1400 65 5 85 05 W 130 7 150 3 1500 65 5 2 85 02 140 11 150 3 1500 65 5 2 85 02 140 11 150 3 1500 65 5 85 05 W 130 12 130 7 150 3 1500 65 5 85 05 W 130 12 140 12 150 3 1500 65 5 85 05 W 130 12 140 2 1700 5 32'5 85 05'W 130 12 155 2 1800 5 19'5 85 05'W 150 11 140 2 1900 5 113'5 85 585W 160 10		70/2/5	65	23 /	2000		THE RESERVE TO LANSING PROPERTY AND ADDRESS OF THE PERSON NAMED IN COLUMN 2 IN
0600 7 5 4 5 25 150 11 145 2 0700 6 46 35 5 07 w 140 10 150 2 0900 6 35 5 85 W 140 10 150 2 1000 6 35 5 85 W 140 10 150 2 1100 6 35 5 85 W 140 10 150 2 1100 6 7.35 85 85 W 140 10 150 2 1200 6 7.35 85 05 W 130 6.5 150 2 1300 6 65 2 85 02 W 130 7 150 3 1400 65 5 2 85 02 W 130 7 150 3 1500 65 2 85 02 W 130 7 150 3 1500 65 5 2 85 02 W 130 10 150 3 1500 65 5 2 85 02 W 130 12 W 150 3 1500 65 5 2 85 02 W 130 12 W 150 3 1500 65 5 2 85 02 W 130 12 W 150 3 1500 65 5 2 85 02 W 130 12 W 150 3 1500 65 5 19 5 85 00 W 120 11 140 2 1500 5 19 5 85 00 W 120 11 140 2 1500 5 11 3 5 85 585W 160 10		70 8215	2 5-4	135		/ -	0
0700		7.6 545	25		11	145	
0800 1 4 4 5 5 5 07 W 140 10 150 2 1000 6 35 5 85 07 W 140 10 150 2 1100 6 38 5 85 6 8 W 140 10 170 2 1200 6 17.35 85 05 W 130 6.5 150 3 1400 55 5 75 07 W 130 7 150 3 1400 55 5 2 85 07 140 10 10 3 5 47 5 1600 5 32 5 85 06 W 130 12 13 5 2 1800 5 19 5 85 07 W 130 12 13 5 2 1800 5 19 5 85 07 W 130 12 13 5 2 1800 5 19 5 85 07 W 150 17 140 2 1900 5 14 5 85 5 85 07 W 150 17 140 2 1900 5 14 5 85 5 85 07 W 150 17 140 2 100 5 11 3 15 8 5 5 8 5 8 16 16 10 5 5 8 5 8 5 8 16 16 10 5 5 8 5 8 5 8 5 8 5 8 5 8 5 8 5 8 5 8		15 46	25"		11	145	3
0900 6°35'S 85W 140 11 150 2 1000 6°33'S 85°09W 140 10 150 2 1100 6°33'S 85°09W 130 6.5 150 2 1200 6°17.35 85 05 W 130 7 150 3 1400 65°52 85 02 140 11 150 3 1500 65°52 85 02 140 10 150 3 1500 65°52 85 02 140 10 150 3 593'51600 6 5 5 85°00'W 130 12 155 2 1700 6°53'S 85°00'W 130 12 150 2 1900 5°14'S 85°00'W 130 12 150 2 2000 5°113'S 85°55'W 150 10			\$5° 07'W	148	10		2
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	0900	6 3515	85W		11		7-
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	1000	63335	8509W	140	13	150	2
1300 6 65 \$ \$50 2 W 130 7 150 3 1400 65 5 2 85 02 140 11 150 3 1500 65 5 2 85 02 140 10 150 3 5 42 5100 60 5 2 85 02 140 10 150 3 1700 50 32'S 85 00'W 130 12 155 2 1800 50 19'S 85 00'W 180 11 140 2 1900 50 14'S 85 00'W 180 11 140 2 2000 5 11.3'S 85 585W 160 10	1100	60385	85° 2'86	140	00	145-	2
1300 6 65 5 75 0 2 10 130 7 150 3 1400 55 52 85 02 140 11 150 3 1500 65 52 85 02 140 10 150 3 5 43'51600 5 5 2 85 02 140 10 15 5 2 1700 50 32'S 85 00'W 130 12 155 2 1800 5 19'S 85 00'W 180 11 140 2 1900 50 14'S 85 00'W 180 11 140 2 2000 5 11.3'S 85 585W 160 10 50 50 50 50 50 50 50 50 50 50 50 50 50	1200	6017.35	85 05 W	130	6.5	150	2
1500 65°5 2 85 02 140 10 150 3 5 43'51600 5 5 5 5 6 6 W 130 12 13 5 2 1700 5 32'5 85 6 W 130 12 135 2 1800 5 19'5 85 6 W 180 11 140 2 1900 5 11.3'5 85 5 85 W 160 10	1300	b 655	0502 W		フ	150	-25
1700 5° 32'S 85°00'W 130 12 155 2 1800 5° 19'S 85°00'W 180 11 140 2 1900 5° 14'S 85°00'W 180 11 140 2 2000 5° 11.3'S 84° 58.5'W 16° 16 2100 5° 11.3'S 84° 58.5'W 16° 10 2200 5° 11.3'S 84° 58.5'W 16° 10 2300 5° 11.3'S 84° 58.5'W 16° 10	1400	35052	8502	140	r1	150	3
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	1500	65052	85 02	140	16	1501	3
1800 5° 19'5 85°00'N 180 11 140 2 1900 5° 11.3'S 851° 58.5W 160 10	5 42'51600	12	.5	151	10	/ =- =	2
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$		50 32'5	85000'W	130	12	155	2
2000 5 11.3 5 84 58.5 W 165 10 — — — — — — — — — — — — — — — — — —	1800	50 195		180	21	140	2
2100 5°11.3'S 84°58.5% 165 10 — — — — — — — — — — — — — — — — — —	1900	501415	8.5°00'W	180	//	140	2
2200 5°11.3'S 89°58.5'W 160 10 — — — — — — — — — — — — — — — — — —	2000	3-11,315	84°58.5W	160	10		
2300 5011.3'5 84058.516 160 10	2100	54:11.3.5	84°58.5W	165	10	Automotion ()	
		5011.35	84°5-8.51m	16.6	10		
2400 50 05 85 00 W 140 8 100 3		5011.3'5	84058.5160	160		0	
	2400	30 05	85 CC W	140	8	160	3

Date 23 Aug 1967 Organization USCG	Ship (cockAway () Cruise No Recorder
Sunrise: Time C542	Position: Lat. 49/4'S, Long. 85 W
Sunset: Time 1744	Position: Lat. 2° 50's Long. 85'W
	nrise to sunset = $\frac{49.3}{0.0}$
Miles travelled from su	nset to 2400 hours = 521
TIME OF FIX TY	PE OF FIX LATITUDE LONGITUDE
1. Of00	3°51,8'S 85° \$5,0'W

	TIME OF FIX	TYPE OF FIX	LATITUDE	LONGITUDE
1.	0800		3051,818	85° Ø5, Ø'W
2.	1200		3042,515	850 08.514
3.	2.000		20 27515	84°58.5'W
1				

→.

5.

12.4

Hourly Positions:

Time	Latitude	Longitude	Wind Dir.	Wind Sp.	Wave Dir.	Wave Hgt.
0100	0453.58	85000	140	10	160	2
0200	CH W5	85 60	1 2,5	9	170	1
03 00	04 335	8500	130	10	170	7.
0400	40 20015	850	130	10	155	3
0500	4° 22'S	R5-0	125	10	155	3
0600	4 11 5	85-0	102	9	100	2
0700	4004,55	P5-0	150	9	145	
0800	40 Bd S	85 805	160	10	180	†
0900	733'S	85 65	160	10	180	
1000	3.38.18	85000057	170	10	180	.2.
1100	3 40.515	85 7,051	170	10	180	2
1200	3042.55	85 00:5'W	160	7	170	2 swells
1300	3 30.5	85 00 W	155	7	170	2 11
1400	3185	85 00 W	140	4	170	2 11
1500	3 08.55	85 oct w	140	if	170	2 11
1600	30 01.5'5	850 00'W	160	3	1702	2
1700	30015	850 00 W	160	8	170	2
	20 49'5	85000'W	125	11	175	2
1900	203915	85001W	185	10	175	2
2000	2-27,5-15	84°58,516	180	(0)	180	
2100	20115	85°W	17.5	10	[75	i
2200	20/615	85°W	160	12	175-	1
2300	201615	85° W	160	11	125-	7
2400	2 10	85	160	7.	170	2-

958b-SI-MNH Rev. 9/28/66

Date 24	Aug 67	Ship	RockAu	+7()	Cruise No.
Organizat	ion US(G		Record	.er		
Sunrise:	Time <u>0540</u>		Position:	Lat. 10	22's	Long. 85 W
Sunset:	Time /)46		Position:	Lat.	1810	Long. 85 11
Miles tra	velled from 00	000 ho	urs to sunr	ise = 4	60	

Miles travelled from sunrise to sunset = 98.6

Miles travelled from sunset to 2400 hours = 24

TIME OF FIX	TYPE OF FIX	LATITUDE	LONGITUDE
1. 0900	O+DR	p°5-6,515	85° 61.5 W
2.1200	C+LAN	0031.8'5	85° 63.7'
3.2000	2	ذ44.5'N	84°55.5'W
4.			

5.

Time	Latitude	Longitude	Wind Dir.	Wind Sp.	Wave Dir.	Wave Hgt.
07.00	10 6 1/6	Carro milion	11-5	7	190	0
0100	20015	85°00'N	162	/	110	6
0200	1 45.5	85 00.10	165	6.7	170	4
03 00	1 35	8.5	165	4	170	2-
0400	10315	250011	770	-2-10	170	2
0500	10 30'5	8500 W	12017	10	180	2
0600	10 1918	85000'W	+70175	-10)	180	2
0700	10075	8500 W	180	15	120	2
0800	d° 4215	85°W	180	10	180	2
0900	004615	85.45°W	180	10	180	2
1000	00 40'S	85,05°W	180	10	182	~
1100	C 433'536	85.03W	180	8	180	2
1200	0° 31.85	85:03.7	210	14	210	,
1300	0° 20	8500	180	A Topic	210	"L'
1400	0 12.5	8500	180	14	710	2
1500	0	85	18C1	14	200	2
1600	0	85	180	14	200	2
1700	0009'N	850W	180	14	200	2
1800	00/9/N	\$5-0 M	120	15	200	2
1900	0 285N	850 W	18.0	15	200	2
2000	8-44.5'N	84 55.56	80	14	190	2
2100	0° 44.5'N	84055,5W	180	15	190	2
2200	0° 44,51N	84055,51W	180	10	190	2
2300	0°44.51N	8405575W	180	16	190	7,
2400	0047 N	84 55 W	197	15	190	2
					6"	

128-1.1 2.1 128-4 60 x 25 x x 2.5 5 62.5 10.4 62.5 10.4 62.5 20.4 62.5 20.4 62.5 20.4 62.5 20.4 62.5 20.4 63.5 2 8.7 2:1:0 12.5 6 x 3; 7

Date 25 AUG 67	Ship Rochemay (WAGS-377)	Cruise No.
Organization ÛSCG	Recorder	

Sunrise: Time 0538 Position: Lat. 12410, Long. 8503.5W

Sunset: Time 1748 Position: Lat. 2°55'N, Long. 85°000W

Miles travelled from 0000 hours to sunrise = 38.9

Miles travelled from sunrise to sunset = 22.1

Miles travelled from sunset to 2400 hours = 36

\$100 miles - \$100 miles	TIME OF FIX	TYPE OF FIX	LATITUDE	LONGITUDE
1.	0800	CELESTIAL	1°57.0'N	84°56.3'W
2.	1200	CELESTIAL	3º16.8' N	84° 56.8'W
3.	2000	CELESTIAL	3º15.0'N	84° 58.8'W

4.

5.

Time	Latitude	Longitude	Wind Dir.	Wind Sp.	Wave Dir.	Wave Hgt.
0100	0°51 N	84 555	213	14.5	210	2
0200	0 57N	85 (90)	2.10	15	210	2
03 00	@ 04N	85 00	210	15	2101	2
0400	1 1510	85 00 W	200	15	210	2
0500	1 23N	85.03'W	200	15	210	2
0600	10 24.8'N	85°04'W	200	15	210	9
0700	10 35 N	85000 W	195	15	210	2
0800	1057,0110	84.22.316	720	17	200	2
0900	2 41. N	84056 W	210	15	210	~2.
1000	2º 41,1V	84256W	200	16	200	-7_
1100	2° 02,5 N	8405714	200	16	200	
1200	2150 N	85 50 0	220	16	220	7
1300	2 28,0 N	84 57 0	220	10	220	2
1400	234 N	87 , SW	720	15	220	2- ,
1500	2 4350	84 59.5	220	25	220	2-
1600	247 W	\$500 W	200	15	220	7
1700	20 49 N	250COW	200	10	195	2
1800	JC 5710	75000 m	200	15	195	2
1900	300211	95000'M	180	16	210	2
2000	3015'N	84-58.81 W	185	16	180	2
2100	3º27.5'N	Sow	185	15	180	~Z
2200	3027,51N	850W	210	16	180	7_
2300	30 27.5 W	850W	1710	13	130	7~
2400	332N	85 W	710	14	1.10	1



9/1/1	~			
Date 26 AUG 6	Ship Rocks	EWAY (Cruise No	
Organization 1)50	Re Re	corder	•	,
Sunrise: Time 05	35 Position	on: Lat. 4/	15 1, Long. 85	-20C
Sunset: Time /75	Position Position	on: Lat. 6°	03'N, Long. 85	500W
Miles travelled from	n 0000 hours to	sunrise =	3	
Miles travelled from	n sunrise to sun	set = 3	38	
Miles travelled from	n sunset to 2400	hours =		38
TIME OF FIX	TYPE OF FIX	LATITUDE	LONGITUDE	
1. 1200	0 19N	50 15 N	84° 46' u	/
2.	DR CELESTIAL	6919-70	SU 555	(4)
3.	ELECTRONIC	4-410	5" 130	w.
4.				
5.				

Hourly Positions:

Latitude

Time

	- 2 (-29			
0100	30 46 N	84 57.5W	2130	15	272	1
0200	3 50N	55 W	220	15	228	2
03 00	2 0711	St w	2.20	15	2.20	7
0400	4070	55 W	210	17	220	2
0500	4070	85	210	16	220	2
0600	4182	85 w	210	17	2,20	3
0700	4 28.0	85 10	2-10	: 7	220	3
0800	4 1212	85 (-)	2195	15	230	2
0900	4 4431N	85 41	210	10	230	2
1000	40481N	850 W	710	15	230	~~
1100	\$ 50'N	85 ° W	710	15	230	2
1200	5 15N	84 HOW	2.10	15	220	3
1300	50 25.5 N	84 52	285	17	220	U/
1400	5 36.5N	84 57	243	.17	225	3
1500	5 41.5N	85 W	254	15	230	3
1600	5 42N	85W	260	20	275	3
1700	5 54 N	82.5 W	260	22 C	270	3
1800	6 03 N.	856	250	15	270	8000
1900	6 03 N	65W	245	17	770	**
2000	6 18 W	the same of the sa	240	8	,	
2100	6019,7'N	84°55,5 W	220	10	Street of the st	
2200	6019,71N	84°555.5%	220	# 6		
2300	6°24N	89 56 W	210	6	la	
2400	032	84 56	290	16	W - 00	

Longitude Wind Dir. Wind Sp. Wave Dir. Wave Hgt.

6 19.7N

)



	: ,		
Date 27/1967	Ship RuckAuA)	9 ()	Cruise No
Organization OSCC	Recorde	r	
Sunrise: Time 053	Position:	Lat. 07-091	4. Long. 84

Miles travelled from 0000 hours to sunrise = 78 mi

Miles travelled from sunrise to sunset = 63 m

Miles travelled from sunset to 2400 hours = ## 4/ mi

	TIME OF FIX	TYPE OF FIX	LATITUDE I	ONGITUDE
1.	08005	D- DR	27 28 N	85°00.5W
2.	2000 S	LAUT =	07-52-610	

Time 1750 Position: Lat. 08 30'N, Long. 85°03'W

2000 1 3.

4.

Sunset:

5.

Hourly Positions:

Time	Latitude	Longitude	Wind Dir.	Wind Sp.	Wave Dir.	Wave H	gt.
0100	6 42 N	84 57 W	250	(G)	250	3	
0200	6 51 X	84 57 W	265	9	2.50	3	
03 00	10 58N	34 50 W	250	<u>G</u>	250	3	
0400	1/	11	250	7	250	9-	
0500	7 04 N	3500W	750	7	750	and a	
0600	7100	3444W	250	B	250	2	
0700	719 N	845010	250	23	550	2	
00800	70281N	8生200元	210	6	240	1	5
9000	70 35,5N	85104	250	6	240		5
1000	7035 gIN	3	2/10	5	220	1	
1100	7º 36, N	850 W	260	9	230	1	
1200	7 52	85 04	250	5	230	2	
1300	8 02 N	3504 W	280	.5	230	2_	
1400	8 07	85 2.5 W	250	7	230	2	
1500	8 14.6N	85 01.0W	291	6	230	Ž	
8 19 N1600	Q Ball	8500 W	40	5	230	j	
1700	8°27'N	85 00 W	1410	.2	230	1	
1800	230 N	85 04(0)	140	8	230	1	
1900	8° 47' N	85 08 W	270	15	230	1	
2000	80 539N	85 00.5W	300	4			
2100	8° 53.9 N	85 005 W	240	3			
2200	80 53.9N	85 00.5W	195	6			
2300	80 58.1N	84 58.5W	210	6			
2400	4 08	84 57	250	3	~	22-1-4	

85000,516 850 W

			P Rockau					•
	Time 03		Position:					
Miles tr	evelled fro		ours to sunr				4	
Miles tra	velled fro	m sunrise	e to sunset	=	19			
				green (Promi				
Miles tra			to 2400 hou	-				
	avelled fro	om sunset	to 2400 hou	rs = _		GITUDE		
TI	avelled fro	m sunset TYPE OI		rs =	LONG	***************************************	47.7.0	
TI	evelled fro	m sunset TYPE OI	F FIX LA	rs =	LONG	***************************************	47.7 0	
1. TI	evelled fro	m sunset TYPE OI	F FIX LA	rs =	LONG	***************************************	47.7	
1. 2.	evelled fro	m sunset TYPE OI	F FIX LA	rs =	LONG	***************************************		
1. 2. 3.	evelled fro	m sunset TYPE OI	F FIX LA	rs =	LONG	***************************************		

Time	Latitude	Longitude	Wind Dir.	Wind Sp.	Wave Dir.	Wave Hgt.
0100	9 14 N	84505	336	3		
0200	926.5N	84 50.5	350	Ci		
03 00	9265N	84 50.5	240	4		
0400			355	7		
0500			350	4	010	1/2
0600			285	10	010	1/2
0700			335	7	010	1/2
0800						
0900						
1000			\//			
1100	P	UNTARENI	75 cos	TA RIC	}	
1200			,			
1300						
1400						
1500						
1600						
1700						
1800						
1900						
2000						
2100						
2200						
2300						
2400						

	AUGUST	_
Date	30 JULY 67	

Ship ROCKAWAY (W-377) Cruise No. Eastrapeur II

Organization USCG Recorder QMOW'S

Sunrise: Time 0535 Position: Lat. PUNTA 250Mg35

Sunset: Time 1747 Position: Lat. 15° 53'N Long. 85°58W

Miles travelled from 0000 hours to sunrise = _____

Miles travelled from sunrise to sunset

Miles travelled from sunset to 2400 hours = 78.7

	TIME OF FIX	TYPE OF FIX	LATITUDE	LONGITUDE
1.	1200	CLECTRULICATIONAL	90 97.191h	39° 49,9'w
2	21-0		10-2350	J 56-17.5W

Time Latitude Longitude Wind Dir. Wind Sp. Wave Dir. Wave Hgt.

4.

5.

Hourly Positions:

0100						
0200						
03 00						
0400						
0500					1315103	
0600			+ 0= 0+	5 37		
0700		PUNT	ARENT			
0800						
0900						
1000				•		
1100			V			
1200	9047.4'N	84° 49,0'W	130	4	175	1
1300	9036'L	840 58.8 W	195-145	\$ 7	175-225	1
1400	9" 34' N	850/9,81W	100 ZUU	参了	175 2	1
1500	90411W	85024.81h	33 195	8	225-	ļ
1600	9051	85°44	195	7	720	1
	9059N	85° 52 W	175	フ	220	1
1800	10 050	85 59 6	330	121	320	43,
1900	10 12N	86 05W	030	14	050	3
2000	110 23.5	86 1741	040	14	130	3
2100	10 31.5	86 2500	025	21	020	3
2200	10 41.5	86 35	030	20	030	3
2300	10 50	86 44	025	20	030	3
2400	4 N	86 54	.020	15		

1027 86 20.5

Organization USCG Recorder

Sunrise: Time \$540 Position: Lat. 11-521 Long. 87470

Sunset: Time 1803 Position: Lat. 11-08N, Long. 88000

Miles travelled from 0000 hours to sunrise = 40 days

Miles travelled from sunrise to sunset =83 mm.

Miles travelled from sunset to 2400 hours =36 mile

TIME OF FIX	TYPE OF FIX	LATITUDE	LONGITUDE
1. 680 d	Celest.	12 \$4.5	87597
2.1200	-),	1156.81N	88°\$2.6°W
3.2000	11+ D.R.	10 H4.5N	8758.5 w

4.

5.

Time	Latitude	Longitude	Wind Dir.	Wind Sp.	Wave Dir.	Wave Hgt.
0100	1109911	8704 W	025	15	040	1
0200	110 13.2 W	87° 10,31W	010	18	030	1
03 00	110 Z3,81N	870251W	035	17	030	
0400	11 32 N	87.3500	035	19	030	
0500	11 43 N	e743 ()	035	127	070	7
0600	11 471	8753 W	035	12	030	
0700	1159 N	8756 W	0 55	1 2-	0.30	
0800	12 04.5	87 597	035	91	030	-
0900	1201.8	87 59.5	060	20	DEO!	2
1000	11 55.5	27 59.5	060	15	080	2
1100	11555	88 02	68.5	12	030	2
1200	110561N	8-30 0216	130	10	015-	7
1300	11°47.5'N	880 0316	130	10	0.50	~
1400	11 40 N-	88°02'W	130	10	0 20	~
1500	11" 27'N	88 01W	130	10	O 47	2
1600	112/1	88000	130	09	020	3
1700	11 14 N	8801 W	1.30	11	020	-3
1800	1109N	88 00 W	135	14	020	73
1900	1100N	8800W	115	20	020	3
2000	10 44.5	87 58.5 W	090	10	100	2
2100	16 44.5	8755.5	090	10	100	2
2200	10 45.5	87.58.5	040	16	(00	_
2300	10 45,5	8 50.5	00	U	100	1
2400	11	11	100	, 10	00	177

	Date 15 GPT 67 Ship Rock FWAY() Cruise No.
	Organization NSCG Recorder_
V	Sunrise: Time 0543 Position: Lat. , Long.
	Sunset: Time 1759 Position: Lat. , Long.
	Miles travelled from 0000 hours to sunrise = 35
	Miles travelled from sunrise to sunset = 29
	Miles travelled from sunset to 2400 hours = 57.
	TIME OF FIX TYPE OF FIX LATITUDE LONGITUDE
	1. 0800 Colonal 1004 88 23.5
	2. 1200 CELESTIAL 09°45.1'N 88° 13.0'W
	3. 2000 CELESTIAL 08°33.2'N 88° 03.0'W
	4.
	5.
	Hourly Positions:
	Time Latitude Longitude Wind Dir. Wind Sp. Wave Dir. Wave Hgt.
	0100 710° 48'N 88-11.5W 690 13
	03:00 100 31150 200 17:50 0 30
	0400 V10-21N 88 -18 W 035 10 - 2

061w

w

01.5

8805.0 W

8801. W

88 -

C \$1 111

G

745/2

· E-

7-

23 00 10-21 N

OHN

9313.5N

16'2

958b-SI-MNH Rev. 9/28/66

	•			, ' · · · · · · · · · · · · · · · · · ·
Date 2 SEPT 17	Ship Roll	way (w37)	Cruise No	Costropic
Organization USC-5	. R	ecorder		
Sunrise: Time 05	45 Posit	ion: Lat. 7-/	1911, Long. 8	(See)
Sunset: Time 17	Posit	ion: Lat. 6	551, Long. E	Ste)
Miles travelled from	0000 hours to	sunrise = H		
Miles travelled from	sunrise to su	nset = 7	7	
Miles travelled from	sunset to 240	0 hours $=$ $\frac{3}{3}$	3 . 8	
TIMÉ OF FIX	TYPE OF FIX	LATITUDE	LONGITUDE	
i. 0500	Celestial	6°56 N	87 40.8	
2. 1200	Γ(6°47,21N	87057.0	'N
3.2000	4	5 26	88 07.	

5.

Hourly Positions:

3.2000

Time	Latitude	Longitude	Wind Dir.	Wind Sp.	Wave Dir.	Wave Hgt.
0100	1 - 1	c =	7-4-7-2	8		
0200	7 7 1	8 6 6	735	, 1		attifugation,
03 00	7	'e = (4)		10		
0400	7331	38 W	2500	if	195	Carlos and
0500	1/	1.1	250	7	195	57
0600	7 19N	21	250	7	195	
0700	7 12N	71	250	10	190	7
- 0800	7 00	8742	250	8	180	2_
0900	6 49	P7 47	250	8	200	Z
1000	6 47	8758	250	10	200	3
1100	6 42	875-8	250	10	200	3
1200	6 47.21N	8757 FW	220	10	700	7-
1300	6042N	880 (1)	220	8	200	7
1400	6 28.31N	88° W	210	13	700	2
1500	6 14,51N	88-41	770	11	200	
1600	(C 9 3 1)	State	7250	7	200	7
1700	6000N	SE W	270	6	200	
1800	6055 N.	11	270	9°	200	3
1900	643N	88 0	265	10	2.00	-2-
2000	0-26	88.07	270	13	195	7
2100	5 17	8807	220	14	220	2
2200	5 15	68	210	15	270	2
2300	515	88	2-10	15	770	2
2400	8 .	• •	3. 2. 0	1	1-11-	i.,

Date 356	0:67 on USCG	Ship Roc	Recorder 17	2-37))	Cruise No	Castropae	
Sunrise: I	lime 0545	Posit	tion: Lat.		Long.		
Sunset: I	lime 1757	Posit	tion: Lat.	,	Long.		
Miles trave	elled from 000	00 hours to	sunrise =	54		n garanga garanga garanga da	
Miles trave	elled from sur	rise to su	unset =	Approximate to			~.
Miles trave	elled from sur	set to 240	00 hours =	59.5			
TIME	OF FIX TYP	E OF FIX	LATITUD	E LONG	ITUDE		
1. 2000	o Ro	alex	05004	10 87	25'		
2.							
3.							
4.							
5.							
Hourly Posi							
Hours, 1001	tions:						

1,1116	Latitude	Longroude	WILL DIL.	willa bp.	wave DII.	wave ngo.
0100	50181N	87-59'W	240	15	210	.2
0200	50 Z1.5'N	87-4516	130	8.	710	.2
03 00	502512	87°36.7'W	220	12	240	3
0400	50 31'N	97.21.ZW	200	12	240	2
0500	5° 35,24	87.11.9W	200	11	. 240	3
0600			200	10	240	
0700	(-	Agent Court	255	.3		9
0800			260	2		September 1
0900						
1000			1			
1100	. /		~			
1200	(5)					
1300	0	1				
1400		19/			`	
1500		1600	18			
-1600	٠		200	6	4.00	2
1700			180	10	180	2
1800			155	13	130	0
1900	ا ا ا	5001	150	13	180	14
2000	5 04	87 2	150	11/	180	0
2100	1 56 1	87 35	150	14	100	7
2300	436	8546	160	16.	() (1)	2
2400	11	0 5 9	145	13	150	2

Date 4-56		Ship Reckouray	(W.377)	Cruise No Eacti
Organizat	tion USC) Record	ler	
Sunrise:	Time 0547	Position:	Lat. 03-54 N	Long. 88 W
Sunset:	Time /753	Position:	Lat. 02°-21.8'N	Long. 88 W
				(

Miles travelled from 0000 hours to sunrise = 37 %

Miles travelled from sunrise to sunset =

Miles travelled from sunset to 2400 hours = 52.5

	TIME OF FIX	TYPE OF FIX	LATITUDE	LONGITUDE
7.	0800	Q+D.R.	3°26-2N	88° 02.3' W
	1700	LANTO'S	3° 15,01N	8 8° 94.3'w
	2000	oniza	2°04N	8-8"02'00

4.

5.

Time	Latitude	Longitude	Wind Dir.	Wind Sp.	Wave Dir.	Wave Hgt.
0100	40391N'	970576	170	! 7	190	1
0200	4°229,51N	870 56.5'W	190 -	15	190	
03 00	4012111	87057141	190	15	190	/
0400	4-071	68 W	11	11	3.6	DE.
0500	3-541	88 (2)	16	11	? !	1 6
0600	3-491	88 w	1	Al	77	79
0700	3-36N	88 W	if	16	30	- Alexander
0800	3 26.2	8-8 02.3	180	15	180	3.
0900	3 72	28 OH	180	15	150	3.
1000	3 22	8804/11	180	15	180	3
1100	3 32	88°0 + W	180	15	180	3
1200	3º 15!N	85-1416	175	18	180	.3
1300	30025	3803'W	175	20	180	3
1400	2051.5'N	8802,10	175	15	150	3
1500	2º 40.11R	58° W	175	15-	180	3
1600	1-40 N	EE LL	1 7	15	186	2
1700	2 35.00	88-01ie	165	1 -	180	3
1800	2 2-3 N	50000		, 5	150	
1900	208 N	€ € € € € € € € € € € € € € € € € € €	してう	(180	2
2000	2 04	88 02	185	7	180	7-
2100	204	8802	185	10	150	
2200	204	8802	150	2	150	1
2300	203	8502	150	3	150	
2400	1046° N	8-5-0 W	153-	10	1520	72-
	•					

Date 555767 Ship Rockaway 6-377 Cruise No. Easternace Organization USCS Recorder	to the second
Sunrise: Time 0547 Position: Lat. 5 1/2 Long. 88°00' W Sunset: Time 1754 Position: Lat. 6°308 Long. 88°00' W	
Miles travelled from 0000 hours to sunrise = 43	
Miles travelled from sunrise to sunset $= 77$	
Miles travelled from sunset to 2400 hours = 37	

TIME OF FIX	TYPE OF FIX	LATITUDE	LONGITUDE	
1.0800	CELESTIAL	0°37.5'N	88°01.	0'W
2. 1200	CO +LIAN	Comments. The	22.4/1	88° 02.4'W
3.	CAROS A	00 4/6/5		88-06 W.
4.2000	Charles	0 -16		

5.

Hourly Positions:

Time	Latitude	Longitude	Wind Dir.	Wind Sp.	Wave Dir.	Wave Hgt.
0100	1036'N	33000	150	10	150	7
0200	1075'IV	ESEL	145	10	15-21	.2
03 00	1014'N	8-8° in	150	10	150	3
0400	1-14.5.0	88 a	150	1.4.	150	-2
0500	1-1580	8804.54	150	15	150	2
0600	1-57.11	AS OCH	150	13	150	2
0700	()-675 1	Fy 6) 0 3 60	160	14	155	3
0800	0 37.5N	88 0210	160	15	160	3
0900	031 0	S5 " W	16 C	15	160	3
1000	0 31 N	S8° W	180	15	180	ME Z
1100	0° 31.2 N	620 88°W	180	15	180	3
1200	0°32,511	850 02'W	185	15-	175	3
1300	0 12' 10'	880 \$2161	160	16	175	3
1400	Q° 91'S	880 021W	160	1 4	175	3
1500	00 1215	95° 05'h	160	12	175	3
1600	11	(/	16-	-7	1,63(0)	*
1700	0 150	EG (7 Ca	70	7.5	180	2
1800	0 225	E.5	170	15	V.85C)	3
1900	0-345	9 50 1	120		767C/	.2
2000	5° 46.15	58°060'W	175	15	180	3
2100	0 545	83-00	175	1'	150	Z
2200	545	33 00	175	1.5	150	3
2300	#50°54'S	75 to \$8 00	175	12	175	3
2400	105	8894	1.75	13-	150	5

150 all stop 155 8.4 KTS

_	U shipe	DITT	46:12.0000004				
Organ	nization	Ship_	Record	er			
Sunr:	ise: Time	0547	Position:	Lat.	, Lo	ng.	
Suns	et: Time	1753	Position:	Lat.	, Lo	ng.	
Mile	s travelled	from 0000 hou	rs to sunr	ise = 4	15		
		from sunrise		-			
		from sunset t					
					LONGITUD	יסר	
	TIME OF FI		TIAL G	TITUDE		5.0'W	
1.	0800	CECLI	117L 9	7:10		07.01	121-
2. /	7 29 5						
3.					CC:	0101	()
4.	C-(2 ()	Calente	al 3	45.5	5 00		
5.							
5.		•					
5.	ly Positions	: Longitude	Wind Dir.	Wind Sp.	Wave Dir		
5. Hourl Time 0100	ly Positions Latitude	Longitude	155	Wind Sp.	170		
5. Hourl Time 0100 0200	ly Positions Latitude 0/° 15.85 0/° 27.55	Longitude -88°-06W -88°-06W	155	14	170		
5. Hourl Time 0100 0200 0300	ly Positions Latitude 0/° /5.85 0/° 27.55 0/° 59. 5	Longitude -88°-06 W -88°-06 W	155 140 150	Wind Sp. 14 15 14.5	170		
5. Hourl Time 0100 0200 0300 0400	Latitude O/° 15.85 O/° 27.55 O/° 59. 5	Longitude -88°-06 W -88°-06 W -88°-06 W -88°-06 W	155 140 150 150	14	170 150 160 160		
5. Hourl Time 0100 0200 0300 0400 0500	ly Positions Latitude 0/° /5.85 0/° 27.55 0/° 59. 5 0/° 44.55	Longitude -88°-06 W -88°-06 W -88°-06 W -88°-06 W -88°-06 W -88°-06 W	155 140 150 150	14	170 150 160 160 166		
5. Hourl Time 0100 0200 0300 0400 0500 0600 0700	Latitude O/° 15.85 O/° 27.55 O/° 59. 5	Longitude -88°-06 W -88°-06 W -88°-06 W -88°-06 W	155 140 150 150	14 15 14.5 13	170 150 160 160		
5. Hourl Time 0100 0200 0300 0400 0500 0600 0700 0800	Intitude 01° 15.85 01° 27.55 01° 39. 5 01° 44.55 01° 54.55	Longitude -88°-06 W -88°-06 W -88°-06 W -88°-06 W -88°-08 W -88°-08 W -88°-08 W	155 140 150 150 150 130	14 15 14.5 13	170 150 160 160 166 160		
5. Hourl Time 0100 0200 0300 0400 0500 0600 0700 0800 0900	Intitude 01° 15.85 01° 27.55 01° 39. 5 01° 44.55 01° 54.55	Longitude -88°-06 W -88°-06 W -88°-06 W -88°-06 W -88°-08 W -88°-08 W -88°-08 W	155 140 150 150 150	14 15 14.5 13	170 150 160 160 166 160		
5. Hourl Time 0100 0200 0300 0400 0500 0600 0700 0800 0900 1000	Latitude 01° 15.85 01° 27.55 01° 39. 5 01° 44.55 01° 44.55 02° 06.55 02° 06.55 02° 25 5	Longitude - 88° - 06 W - 88° - 06 W - 88° - 06 W - 88° - 075 W - 88° - 075 W - 88° - 075 W - 88° - 05.2 W - 88° - 05.2 W	155 140 150 150 150	14 15 14.5 13	170 150 160 160 166 160	Wave Hgt	
5. Hourl Time 0100 0200 0300 0400 0500 0600 0700 0800 0900 1000	Intitude 0/° 15.85 0/° 27.55 0/° 39. 5 0/° 39. 5 0/° 44.55 0/° 54.55 02° 06.55 02° 06.55 02° 25 5 02° 36.55 02° 3	Longitude - 88° - 06 W - 88° - 06 W - 88° - 06 W - 88° - 08 W - 88° -	155 140 150 150 150 130 130	14 15 14.5 13 13 18	170 150 160 160 166 160	Wave Hgt	
5. Hourl Time 0100 0200 0300 0400 0500 0600 0700 0800 0900 1000 1100	Latitude 0/° 15.85 0/° 27.55 0/° 39. 5 0/°	Longitude	155 140 150 150 150 130 130 130	14 15 14.5 13 13 13 15	170 150 160 160 166 160	Wave Hgt	
5. Hourl Time 0100 0200 0300 0400 0500 0600 0700 0800 0900 1000 1100 1200 1300	Latitude 0/° 15.85 0/° 27.55 0/° 39. 5 0/°	Longitude	155 140 150 150 150 130 130 130 130 130 130	14 15 14.5 13 13 18 15 15	170 150 160 160 160 160 175 175	Wave Hgt	
Hour] Fime 0100 0200 0300 0400 0500 0600 0700 0800 0900 1000 1200 1300 1400	Latitude 0/° 15.85 0/° 27.55 0/° 39. 5 0/°	Longitude	155 140 150 150 150 130 130 130	14 15 14.5 13 13 13 15	170 150 160 160 166 160	Wave Hgt	
Hour] Fime 0100 0200 0300 0400 0500 0600 0700 0800 0900 1000 1100 1200 1300 1400	Latitude 0/° 15.85 0/° 27.55 0/° 59. 5 0/°	Longitude -88°-06 W -88°-06 W -88°-05 W -88°-	155 140 150 150 130 130 130 130 155	14 15 14.5 13 13 18 15 15 15 15	170 150 160 160 160 160 175 175 165	Wave Hgt	
5. Hour] Time 0100 0200 0300 0400 0500 0600 0700 0800 0900 1000 1100 1200 1300 1400 1500 1600 1700	Latitude 0/° 15.85 0/° 27.55 0/° 59. 5 0/°	Longitude - 88° - 06 W - 88° - 06 W - 88° - 075 W - 88° - 075 W - 88° - 075 W - 88° - 05.2 W -	155 140 150 150 130 130 130 130 130 155 160 155	14 15 14.5 13 18 15 15 15 15 19 19	170 150 160 160 160 160 175 175 165 175	Wave Hgt. 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3	
5. Hourl Time 0100 0200 0300 0400 0500 0600 0700 0800 0900 1000 1100 1200 1300 1400 1500 1500 1600 1700 1800	Latitude 01° 15.85 01° 27.55 01° 39. 5 01° 44.55 01° 44.55 02° 06.55 02°	Longitude -88°-06 W -88°-06 W -88°-05 W	155 140 150 150 130 130 130 130 130 155 160 155	14 15 14.5 13 18 15 15 15 15 19 19	170 150 160 160 160 160 175 175 165 175	Wave Hgt. 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3	
5. Hour] Time 0100 0200 0300 0400 0500 0600 0700 0800 0900 1000 1200 1300 1400 1500 1500 1600 1700 1800	Latitude 0/° 15.85 0/° 27.55 0/° 59. 5 0/°	Engitude -88°-06 W -88°-06 W -88°-06 W -88°-075 W	155 140 150 150 130 130 130 130 130 155 160 155	14 15 13 13 13 15 15 15 15 19 19 19 19	170 150 160 160 160 160 175 175 165 175	Wave Hgt. 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3	
5. Hourl Time 0100 0200 0300 0400 0500 0600 0700 0800 0900 1000 1100 1200 1300 1400 1500 1400 1500 1600 1700 1800 1900	Latitude 0/° 15.85 0/° 27.55 0/° 59. 5 0/°	Longitude -88°-06 W -88°-06 W -88°-05 W	155 140 150 150 130 130 130 130 130 155 160 155	14 15 13 13 13 15 15 15 15 19 19 19 19	170 150 160 160 160 160 175 175 165 175	Wave Hgt	
Hour Time 0100 0200 0300 0400 0500 0600 0700 0800 0900 1000 1000 1200 1300 1400 1400 1500 1400 1500 1400 1500 1400 1500 1400 1500 1600 1700 1800 1900 2000 2100	Latitude 0/° 15.85 0/° 27.55 0/° 59. 5 0/°	Engitude -88°-06 W -88°-06 W -88°-06 W -88°-075 W	155 140 150 150 130 130 130 130 130 155 160 155	14 15 13 13 13 15 15 15 15 19 19 19 19	170 150 160 160 160 160 175 175 165 175	Wave Hgt. 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3	
5. Hour] Time 0100 0200 0300 0400 0500 0600 0700 0800 0900 1000 1200 1300 1400 1500 1500 1600 1700 1800	Latitude 01° 15.85 01° 27.55 01° 39. 5 01° 44.55 01° 44.55 01° 44.55 02° 06.55 02° 06.55 02° 06.55 02° 25 5 02° 31'5 2° 43'5 2° 46.5'5 3° 45.55	Engitude -88°-06 W -88°-06 W -88°-06 W -88°-075 W	155 140 150 150 130 130 130 130 130 155 160 155	14 15 13 13 13 15 15 15 15 19 19 19 19	170 150 160 160 160 160 175 175 165 175	Wave Hgt. 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3	

5/2 67000 falle

	1-+1	9/7	1) 6				
Date / Ac	1:1.11	Ship	Cookaute	4 (25-3/)	Crui	se No Land	30/20
Organizati	on 7,	Ship	tatecore	deroast	Luard		1
							agricus
Sunrise:	Time o	51/1	Position:	Lat.	20,5 LO	ng. 87.	56
Sunset:	Time / 7	54	Position:	Lat. 6	03 < IO	ng. 880	
Miles trav	elled f	'rom 0000 hou	rs to sun	rise = 4	3		
Milos tror		rom sunrise	+	. 8			1
Miles crav	еттеа т	rom sunrise	to sunset	= 7.	2		3
Miles trav	elled f	rom sunset t	o 2400 hou	rs = 52			1
TIME	OF FIX	TYPE OF	FIX LA	ATITUDE	LONGITUD	E	-
1. 1800		CELES	, , , _		87°58		
			2:	-0 1 %	10°°	1-1-6	
2. 1200		lith t		3	-	, .	and the second
3.							
4.2000		STARS	6	3.19.7	5 87	5-7.5	J
5.							
Hourly Pos:	itions:						
Time Lat:	itude	Longitude	Wind Dir.	Wind Sp.	Wave Dir.	Wave Hg	t.
The same of the sa	5,53	88-6-	148	19	d		
0200 4-4	-	8800214	135	19			
0300 4 13		88 cosic1	135	19	•		
0400 6/-11-	69	88.11	12:2	18	140	-3	
0500 41-	2/5	34/	130	20	140	3	
0600 41-3		OF CL	1 6	201	140	3	
0700 4/- 0	77	5			145	311	
0800 4	2	87 58.5	120	15	160	3	
0900 50	> 519	88	130	12	160	27	
1000 5 0	5	49	140	12-	160	4	an.ag
1200 3	5	200	145	12	145	9	
1300 5 20	1.0	8.8. 05.516.	145	35 15	150	3	
400 13 20		13 0 8 6 14 0	143	70	155		

85°0016

89 359'W

15-

 5-53215

6 19.7

958b-SI-MNH Rev. 9/28/66

Date 8 Leat Organization	1967 Shi	ip Rackarray	(h-377) er (cost	Eruise No. Eastropeac 2 Alexand. 1441
Sunrise: Tim				Long. 58
Sunset: Tim	me 174.9	Position:	Lat. 90/5,	Long. 8802 W
Miles travel	led from 0000 h	nours to sunr	ise = 48	
	led from sunris		20	

Miles travelled from sunset to 2400 hours = 58.1

	TIME OF FIX	TYPE OF FIX	LATITUDE	LONGITUDE
		CELESTIAL	080555	88°01.5 W
1.	0800		A610	880 12.7 h
2	1200	CIAN + 0	86 15.515	
<i>□</i> •	•	CECESTIAL	90 37.315	88°02.0 W
3.	2000	CELLSITTE		

4.

5.

Hourly Positions:

Time	Latitude	Longitude	Wind Dir.	Wind Sp.	Wave Dir.	Wave Hgt.
0100	7 01.5	88° W	135	28	- Approximation of	
0200	70 14:53	8500	135	25		
03 00	702615	85661	135	25	~~~~~	
0400	7285	88 W	135	20	125	3
0500	7325	88. CW	135	-20	125	3
0600	7445	88 0	1860	23	125	=/
-0700	70 4405	.88-02.1W	125	20	125	4
- 0800	70 55'5	88° 026W	1:35	24	130	4
-0900	8065	88.058.M	125	25	130	4
-1000	8 0705	QQ 03.0W	1:35	20	130	2
1100	8° 08.5'S	8800210	135	20	130	2
1200	8-15,515	88 - 92,71W	130	19	135	.5
1300	8 28 15	8800281W	140	19	135	. 500
1400	80 40.515	88 82'00	130	20	140	5
1500	8:53:5	850 821W	130	18	135	5
1600	80563	875021H	1-30	13	135	4
1700	9015	ヤタウングル	120	20	135	4
1800	90 14	89002 W	120	20	135	if
1900	90245	8321 W	135	17	135	4
2000	937,39	8907000	135	20	120	45
2100	942 5	88 W	120	20	120	7
2200	4.1	611	31	11	100	3
2300	904915	88° W	125	~20	125	3
2400	905615	880 W	125	20		

7	4			
-	1	-		
		14	沙地	1

	Date_ Organ	9 SEPTION Z	167 Ship (Dockawa.	(61-37) eferist	Licard	of Clin	rolac 2		
<i>₹</i>		se: Time ()	550 I							
		Miles travelled from 0000 hours to sunrise = 51 Mules								
		Miles travelled from sunrise to sunset = 83 mi								
	Miles	Miles travelled from sunset to 2400 hours = 38.7								
		TIME OF FIX TYPE OF FIX LATITUDE LONGITUDE								
	1.20	200	Celestre	1 12	245	88	00.7			
	2. 17	_00	LANT	5 11	0 17.8'	5 8 70	58,7/6	X		
	3. 0	800	CELES,	+ ELECTRONI	1100	08.0'S E	37057.04	7		
	4.	$1_{\frac{1}{4}}$.								
	5.									
		Hourly Positions:								
	Time	Latitude	Longitude	Wind Dir.	Wind Sp.	Wave Dir.	Wave Hgt	•		
	0100	100 4615	8-8-CW	128	26		And the second			
	0200	100 2055	880W	71	11					
	03 00	100 2815	64	130	11 . A.O			-		
	0500	10 23.58	88 60	120	Zune)	133	2-			
	0600		881	130	20	140	4			
	0700	10 48	81	175	25	140	Y.	1		
L	0800	10 585	87.58'0	125	20	135	2			
a 115 v	0900	11 02.05	87-58 (2)	120	15	145	2			
D 115	1000	11 02105	87-58W	120	12	135	9			
	1100	110 11.05	8758 W	120	30	133	2			
	1200	11 17.85	8 50,700	120	260	135	2			
	1300	34 35	870590W	120	22	130	2	1		
	1500	1109715	88° W	120	10	170	7	1		
	1600	11 50 5		130	15	130	4	1		
	1700	1200	Y.F		Ŝ ° »	130	k-p.			
	1800	1214	7.5	13.	1 8	130	1-	1		
	1900	12 27	XX	130	is	130	4-			
	2000	1224	88 007	137	25	36	+			
	2100	# (1/1		(e	it	13			
	2200	1	4	3 E	2 6	1 /	13	1		
	23 00	12: 22/5			7.0	• • • • • • • • • • • • • • • • • • • •	2	1		
	2400	12: 3715	88.	170	20			958 b -\$		

Date 10 SCP767 Ship Rockaway (W-37) Cruise No Eastropac Organization United Statecorderocat Should of Almerica.
Sunrise: Time 0548 Position: Lat. 1328, Long. 88 00
Sunset: Time 1747 Position: Lat. 1500, Long. 8800
Miles travelled from 0000 hours to sunrise = 48,57Mi.
Miles travelled from sunrise to sunset = 123 Mu.
Miles travelled from sunset to 2400 hours = 62.5
TIME OF FIX TYPE OF FIX LATITUDE LONGITUDE
1. 0800 CELES, ÉELECT. 13043.0'S 88003.0'W
2. 1200 LANT + 0 14° 62.815 87°57, 8'4
3. 2000 CELES. 15°00.0'S 88°31.0'W
14.
5.
Hourly Positions:
Time Latitude Longitude Wind Dir. Wind Sp. Wave Dir. Wave Hgt.
0100 12049.5-5 88°W 120 72 — — — 0200 13°02:18'S 88°W 130 30 — — —
0300 13°14.5'S 88°W 175 28

				marion investigation		
0100	12049.55	88 00	120	72	promitino de la composición de la comp Promitino de la composición del composición de la composición de la composición del composición de la composición de la composición de la composición del composición de la composición de la composición de la composición de la composición del composición del composición del compo	
0200	130021815	880W	130	30	Personal	
03 00	13014.515	88011	125	28		
0400	1324,	88	125	15	1.722	2.
0500	1324	5500	125	15	125	4 LI
0600	13 30	88 00	125	20	125	24
0700	13 42	8800	125	20	12.5	4
0800	13 43	8803	125	25	125	3
0900	1400	2006	125	25	125	3
1000	14011	8800	130	20	125	3
1100	14011	88 00	130	20	125	3
1200	14008	SE CO	132	-28	130	3
1300	14 20,515	88012	125	28	130	3
1400	140 335	0806	125	25.	130	3
1500	14 95 15	Sperio	125	7.8	150	5
1600	14 47	88	125	2-5	130	5
1700	1447	88	125	25_	125	5
1800	1456	88 14	125	29	125	5.
1900	1500'5	8 1 9	130	75	130	5
2000	14°573	88° 37.2W	130	20	125	
2100	14.56'5	88° 42.50	130	23	129	4
2200	140575	88° 56.1W	130	25	127	4
2300	140 585	89° 07.2W	130	24	135	4
2400	1505	89°19 C	130	20	130	5-

Control of the state of the sta

	anization Cari			ruise No. Eastropeac 2
	rise: Time 666	/	n: Lat.	Long. 90° 35'W Long. 92° 51'W
Mile	es travelled from	sunrise to suns		milles i
	TIME OF FIX	TYPE OF FIX	LATITUDE LONGIT	TUDE
1.	0800	TO + DR	14058.05	90052,816
	1200	LANTO	14057,015	91°39.8'W
3.	2000	CELES.	15000 5	930 12 W
1				

rly Positions:

Time	Latitude	Longitude	Wind Dir.	Wind Sp.	Wave Dir.	Wave Hg	<u>t</u> .
0100	15'5	89°3216	140	425	Taration		
0200	1505	890431W	130	28			
03 00	15°5	89°551 W	130	7.5-			
0400	15-5 90	1980 10W	1278	30	115	4-	
0500	15-5	90 20	1 1	11	1,	11	
0600	153	90 35	11	11	10	f o	
0700	153	90 43) (1 0	10	10	
0800	755	90 49 6	13,0	30	145	9	
0900	11	91041 W	130	30	145	4	
1000	, /	91 13 0	125	25	150	7	
1100	11	91 7501	129	30	150	6	
1200	14 57 5	91039 4	120	20	150	E 5	SWELL Great
1300	1405715	9105716	120	35-	150	5-	00
1400	1505	92° W	115	25	150	5	11
1500	15.5	920131W	115	2.5	149	8	11
1600	15.5	92027'W	116	25	1 %	2	11
1700	- 15-3-5	92038 W	125	7 %	140	8	11
1800	1505	9-29501h	125	T.F.	140	E P	1 4
1900	1505	930011	125	23	140	d	11
2000	15	93 12	125	7 5	140	7	1
2100	15	93 24	12=	25	140	7	1
2200	15	93 30	125	2.5	140	7	1
2300	15	93 41	12=	25	1410	17	
2400	155	99 6	115	75	140	5	0585 CT_MNI

.

Date 12 fort 67 Ship (sockaway (in-37) Cruise No Lastripec 2
Date 12 Sept 67 Ship Rockaway (in-37) Cruise No Earthque 2 Organization United State Recorder 2 1 Sheard of America
Sunrise: Time OG/9 Position: Lat. 138, Long. 95 cu
Sunset: Time 1816 Position: Lat. 13095, Long. 95 w
Miles travelled from 0000 hours to sunrise = 55. Emile
Miles travelled from sunrise to sunset = //2/5 miles
Miles travelled from sunset to 2400 hours = $\frac{96}{100}$
TIME OF FIX TYPE OF FIX LATITUDE LONGITUDE
1. 0 800 maple @ 140 48,515 950 \$3,7 W
2. 1200 LANTO 140 15.5-15 950 83.7'W
3.2000 (0.4012 17047,p's 950,5'W
1.
5.
Hourly Positions:
Time Latitude Longitude Wind Dir. Wind Sp. Wave Dir. Wave Hgt.
0100 15° 5 94° 13' W 125 29 125 2
0200 (5) 94-24 1.25 2.5 1.5 5 0300 155 94 37 W 125 28 1.5
0100 1500 GILE 1600 100

TTITE	Latitude	Toughtude	WING DIF.	wind Sp.	wave DIT.	wave ngu	-
0100	150 5	94013160	125	29	125	2	1
0200	()	94-24	/ , ε —	2 5	1 6	2	
03 00	155	911-376	125	28	116	2	
0400	1-505	940 48 W	150	25	140	6	SWELL GREAT
0500	1505	95° W	11	<i>)</i> i	11	31	
0600	155	G 50 W	120	25	140	17	< <i>i</i>
0700	14049,55	950 11	120	25	125		
0800	14415	95 41	11	1. 1.	11	27	
0900	14/200	95	095	30	11	15	
1000	14 345	95	093	20	11	11	
1100	11	11	1	17	11	11	(, , ; i)
1200	143/5.55	95-0 \$3.71W	095	25-	130	8	Swell
1300	1305415	95 02: W	095	28-	130	5	1
1400	13041.95	95 92'W	095	28	130	5) 1
1500	13029,0	95- \$2'W	09)	2.5	138	5	'/
1600	130 36 '5	9502'W	100	23	105	7	/ 1
1700	13022.5	950 W	090	26	105	7	/ /
1800	130/215	950 W	103	25	105	7	
1900	12375	950 11	103	2.5	105	7	
2000	12475	95,0550	103	25	105		
2100	11	9 11	1 0	11	4 /	100	
2200	11	1/	/(30	? (11	
2300	11	11	105	20	11	21	SUS ELL
2400	12 4315	11	105	20	3/4	8	958b-SI-MNH

Date 13 SEPT67 Organization Unio	Ship Rocke	econderet fleccio	Cruise No. Eastropae Z Laplamenica Port # 2
and the		ion: Lat. 1925'S,	
Miles travelled from	n sunrise to sum	sunrise = 63 nset = 137.6 0 hours = 90 LATITUDE LONG.	miles
1. 0300 2. 1200 3. 2000	STARS + O CANA O CELES	11° 88, 9'S 16° 44,8'S 8° 45,0'S	95°01.000 95°01.100

5.

Hourly Positions:

Time	Latitude	Longitude	Wind Dir.	Wind Sp.	Wave Dir.	Wave He	<u>st.</u>
0100	17" 2615	950 2	19.	19	105	3	
0200	120 1115	45412	045	2.7	8 / 2	2	
03 00	2	is al	099	2.2	145 >	3	
0400	110571	9500	19508	23	105	C-	SWELL
0500	11042	9500	OP3	22	105	C	
0600	110071	95024	083	22	105	6	5 3
0700	1119	95° W	095	20	115	6	> 1
0800	1108815	950 \$1.00 W	095	25	#15	6	
0900	110 08'5	950101.0W	095	20	115	6	
1000	110 805	950,01.50	085	25	115	5	
1100	10°51.5	9501.50	100	15	100	4	
1200	10.044.815	95-093,05	100	15	+100 JOO	3-2	
1300	100 29,85	95- 9315	100	15	H3 100	2	
1400	100 14,85	9500315	095	17	100	2	
1500	10°5	950035	095	15	100	7,	
1600	099 435	950 W	120	15	100	2	
1700	90 30,84	95° W	120	12	100	3	
1800	90 15,55	950 W	120	12	100	2	
1900	'96' S	950 m	108	9-day 17	095	2	
2000	80 45 5	95002.50	115	15	590	2	
21,00	8° 30'S	95002, W	110	15			
2200	3º 1515	950 02 W	115	15		page and a	
2300	8'00.	95° 02.W	117	15		3	-
2400	70445	9500	120	15	1100		958 b -

958b-SI-MNH Rev. 9/28/66

0/17 XD-3300 weck. 16 13 - 12 - 1711/1-1-1

Date/	450	SPT67	Ship	Rockerver.	exit She	Cr	ruise No.	Constra	ysee Z
Organ	izat	ion (mil	ed X	la Record	ore The	arest	of its	nerico	nt#3
Sunri	se:	Time 06/	4_	Position:	Lat. 6.6.20	25,	Long. 9	50m	
Sunse	t:	Time /8/	2		Lat. 805	. 7			
Miles	tra	velled from	0000 ho	urs to sunr	ise = <u>89</u> %	6 m	iles		
Miles	tra	velled from	sunrise	to sunset	= 170	Jon	eles	٥	
Miles	tra	velled from	sunset :	to 2400 hou	$rs = \frac{47}{7}$:7			
	TIM	E OF FIX	TYPE OF	FIX LA	TITUDE	LONGIT	UDE		
٦	pos S	000	all I	JE 100	47 055	000	1,1	1	

	TIME OF FIX	TYPE OF FIX	LATITUDE	LONGITUDE
1.	0800	DR.	6042,85	95-9.4
2.	1200	LAN+Q	7032,015	95000,0°W
3.	2000	Mesus	9013,0'5	95000
),				

4.

5.

Hourly Positions:

Time	Latitude	Longitude	Wind Dir.	Wind Sp.	Wave Dir	Wave Hgt.
0100	703015	45 W	120	16	115=	Land
0200	70 1515	95 W	100	15	115	2
03 00	705	95W	115	19	115	7_
0400	060 4215	95000	107	17	105	-1
0500	060 29'5	95000	135	13.5	110	:3
0600	06 2015	95°W	135	13.5	110	3
0700	2º 28 'S	950,0	119	25	110	3
0800	6 425	7500	110	75	170	4
0900	6 575	95 W	120	18	140	(
1000	7 135	95 W	120	15	140	1-
1100	7285	95 W	120	15	145	(
1200	7032515	950 W	120	程 15	130	5-
1300	70 47,5'5	95°W	120	73	130	5
1400	805	9500	110	23	130	4
1500	8012,55	950 00	105	24	130	4
1600	6 25,6	950 W	110	24	120	4
1700	8° 37.5	95 W	095-	26	110	74
1800	80472	950 11	120	2.2	FO 87	4
1900	9000.55	Gov W	120	74	105	4
2000	9 13.05	95W	100	20	1635	6.
2100	9 25.05	11	100	-20	105	12/
2200	1/	11	110	20	105	C-1
2300) "	13	110	15	106	3
2400	903615	95°W	115	71	130	3

To the second se

Date 15 Lopt 67 Ship Rochaway W-377 Cruise No. Eastropeic 2 Organization United Statecorder at Sucod of American Port#4
Sunrise: Time 06/5 Position: Lat. 10009.25 Long. 9500
Sunset: Time 1817 Position: Lat. 7°55's, Long. 95"W
Miles travelled from 0000 hours to sunrise = 52.5 miles Miles travelled from sunrise to sunset = 130.7 miles Miles travelled from sunset to 2400 hours = 15.6 TIME OF FIX TYPE OF FIX LATITUDE LONGITUDE
1. 0800 ++0 9037'S 95°W
2. 1200 LAN + @ 8°45'S 95°03.0'W CELES 7°50,0'S 95°03.0'W
λ_{+} .
5.
Hourly Positions: 8 4
Time Latitude Longitude Wind Dir. Wind Sp. Wave Dir. Wave Hgt.
0100 9° 46'5 95'W 117 73 F50 4 0200 9° 58'5 95°W 108 74 130 4 0300 10° 11'S 95°W 108 74 130 3 0400 10° 185'S 95°W 120 29 135 3 0500 10° 17,3'S 95°W 120 19 135 3

Time	Latitude	Longitude	Wind Dir.	Wind Sp.	Wave Dir.	Wave Hgt.
0100	904615	9500	112	23	150	-4
0200	4 58 5	95°W	108	24	130	ef
03 00	1001115	950W	108	24	100	-/3
0400	100 18.55	95°W	120	29	725 ERS	The second secon
0500	100 17,35	95000	120	19	135	E
0600	1000615	95°W	120	16	130	-5-
0700	09 5715	95°W	120	16	130	15
0800	9-415	95 4	120	320	180	4
0900	9-		120	15	1:30	.4
1000		3/5 LL	100	17	Boco	₹.
1100	7-016		100	15	1500000	d
1200	8:4515	95° W	. 112	15	125	2
1300	803818	95° W	130	18	125	3
1400	11	11	105	16	115	-2-
1500	8 3315	950W	105	16	115	2
1600	2021.3	95°W	310	16	115	3
1700	80 1615	95°W	120	13	120	3
1800	10585	95 W	108	12	120	-7
1900	7247.55	320 M	202	12	125	3
2000	7050 5	4508 W	10,0	10	125	4
2100		\ ((!	11	1/	6
2200		200000		12	((
2300	70485	450000	(1	/(100	2
2400	70435	45° CL!	110	1.5	100	

egun feelure

5/R 23 ccc

ALT 17, 300

	Date_Organ	16 Sept 6	Ship Sta	Rockawa	ext //	D) Crui	se No. <u>Castrop</u> Romenia
	Sunri	se: Time C		Position:	Lat.	445, Lo	ng. 9360
	Miles	travelled	from 0000 hou from sunrise from sunset t	to sunset	= 9	7.3	£622
7	1.	TIME OF FI	X TYPE OF Di2 +			LONGITUD 95°	
4	·	200	4170+	7	032.6		95009.01
	Hourl Time	y Positions <u>Latitude</u>		Wind Dir.	Wind Sp.	Wave Dir	. Wave Hgt.
	0100 0200 0300 0400 0500 0600	703215 7019:5 7007:5 7007:5 6056: 6056:	95°W 95°W 95°W 95°W 95°02'	110 110 130 130 130	14 15 15 16 16		
	0800 0900 1000 1100 1200	6 28 5 6 28 5 6 07 5 6 07 5 6 0 7 5 5-050,75	950 591 W 950 591 W	130 11 11 120	12.	125	3
	1400 1500 1600 1700 1800	50165 50165 5065 40345	95°05'W 95°02'W 95°03'W 95°03'W 95°W	110 120 140 130 130	14 14 8 12 16	125 125 135 135 135 145	2 2 2 3 3
	2000 2100 2200 2300 2400	4 205	9504W1 95000 95000 95000	120	12 10 12 15	120 120 120 120	2 2 2 3 3 3

7°23'5

N.	
Date 17 Lept 67 Ship Rockervay (4-377) Cruise No. Eartropac Organization United State Recorder to Successful America	2
Organization United States ecordon et Success of America	
Sunrise: Time CC/2 Position: Lat. 3°/C'S, Long. 95°W	
Sunset: Time / ?/? Position: Lat. / 275, Long. 95 11	
Miles travelled from 0000 hours to sunrise = 426 miles	
Miles travelled from sunrise to sunset = 1/0./meles	
Miles travelled from sunset to 2400 hours = 7 6 8	
TIME OF FIX TYPE OF FIX LATITUDE LONGITUDE	
1. 0 foo \$40 2 495 94059160	
2. 1200 CAN+0 2031,115 850\$1.21W	
3. 2000 CFUES, ELEC. 1007.0'5 95°00.5'W	
4.	

5.

Hourly Positions:

Time	Latitude	Longitude	Wind Dir.	Wind Sp.	Wave Dir	Wave Hgt.
0100	4002,53	950 02101	140	15	130	-2-
0200	30 5015	450 031 W	140	19	125-	72
03 00	@3°3815	55° (\$3' w	140	19	125	-2
0400	30 245	9503 W	1.35	9	125	
0500	30375	9503'W	135	7	125	
0600	3 /2'5	95 W	192	9	125	/
0700	305	95°W	172 8	=7"	145	1
0800	20495	95596	163	100	145	1
0900	20403	95 4	145	113	14/17	-
1000	2405	95 4	125	10	1. 4/13	1
1100	2°355	95 00.5W	125	10	140	2
1200	2 3/11/5	95001.20	140	3614	140	2
1300	7-7215	950W	140	\$14	140	~2
1400	201015	950 4	145	14	140	2
1500	53'5	855W	135	14	140	2
1600	1. 红2.5	45-000	35	13	145	~Z.
1700	104715	95041	135	17	145	7.
1800	1030'5	575-0 W	150	10	145	
1900	1016'5	95- W	140	10	140	2
2000	102.5	9500.5W	130	10	135	2
2100	11	11	126:	10	1 = =	
2200	11	11	120	10	7 3	-7
2300	11	1 /	"	Cr	()	11.
2400	0"5715	450 40	174	17-	135	7

6,5

29

Date 18 Lept 6 Organization 7	7 Ship	a trocord	Shart	3)7) Crui	se No. Ear	etropacie 2
Sunrise: Time	(6/2	Position:	Lat.	3/5, Lo	ng. 958 0	De la
Sunset: Time /	818	Position:	Lat. 10/	1'N, Lo	ng. 95%	
Miles travelled for Miles travelled for Miles travelled for TIME OF FIX 1.	from sunrise	to sunset o 2400 hou FIX LA	= 8 ars = 5 attrude	LONGITUD	E \$5.00'4	le!
5.						
Hourly Positions	> -					
Time Latitude	Longitude	Wind Dir.	Wind Sp	. Wave Dir	. Wave Hg	t.
0100 6575	450 W	120	5	135	12	
0200 0 53,55	9500	120	8	135	. 72	
0300 5 40,65	9500	130	13	135		
0400 0 935	950 W	170	8	145	2	
0500 0 215	95°W	170	P	170	2	
0600 00215	95011	+76155	//	170	2	
0700 001555	9500	152	12	170	1	
0800 3-04 5	95-05W	176	10	1/5	1	
0900 - 09 5	9500U)	3 '		+/	-
1000 6 2 3 4	9500	11	1,	()		
1200 6 7 3 K	9500		10	170	1	
1300 00 26,0°N	95° \$6,3'W	150	14	150		

120-

00471N

55 N

10581N

950 W

750 W

C150 W

95 (1)

ic:

FI

53.15

Date 19 Lept 67 Ship Rockeway W-377 Cruise No. Carlopac ?
Date 19 Lept 67 Ship Rockoway W-377 Cruise No. Each opac Z Organization That State of Charles of Charles
Sunrise: Time OC/16 Position: Lat. 20 505, Long. 950 W
Sunset: Time 12/7 Position: Lat. 4 25/13 Long. 95/11
Miles travelled from 0000 hours to sunrise = 61.5 miles
Miles travelled from sunrise to sunset = 1303 miles
Miles travelled from sunset to 2400 hours =
TIME OF FIX TYPE OF FIX LATITUDE LONGITUDE
1. 0800 LANTO 3003'N 94643'W

	TIME OF FIX	TYPE OF FIX	LATITUDE	LONGITUDE
1.	06030	LHN+0	30031	946434
2.	1200	LAN1-12	3 = 25 1/1	1940966
3.	7000	Q + DR		194459/2
4.				

5.

Hourly Positions:

Time	Latitude	Longitude	Wind Dir.	Wind Sp.	Wave Dir	Wave Hgt.
0100	20 471 R	9500	180	8	180	(
0200	20 17.5N	95°W	180	14	180	
03 00	20 28 N	950W	200	13	180	1
0400	2°40'N	9500	185	13	180	2)
0500	2 40 2	950 12	195	10	180	2
0600	20 48.5'N	9500	216	1.3	185	
0700	F- 62'N	750 W	210	13	195	2
0800	309 N	95 w	7 1	10	2-00	1
0900	325 N	9 5 W	700	10	2.00	2
1000	11	1. 50	11	1 6	200	2
1100	de) L	e 4	٤٤	- 4	8 6
1200	3º25.01W	94046.6 4	205	13	195	2
1300	3-37.5W	94051,51W	195-	14	195	
1400	3" 48.N	94:55W	195	14	195	
1500	30 58 W	94.5816	700	17	195	2
1600	3° 59'N	95°W	232	iC	1805	7
1700	40121N	95 W	205	16	190	
1800	4021'N	950W	205	16	190	ľ
1900	40341N	75° W	230	15	190	/
2000	6/4.8.5 N	9459N	190	15	"	7/
2100	11	- 0 11	11	()	÷ (()
2200	11	41	ic.	11	2 6	11
2300	16	3/	71	(1	٤ (25
2400	4/10/11/1	7541	11	14	1 1	

5/R = 25, 8?

Date 20 Lest	7 Ship	Rockac	valu a	1370 Cruis	se Rose l	copae Z
Organization	7 Ship	La Record	Good	Gua	A pro-	1# 9
Sunrise: Time	0610	Position:	Lat. 5	4/N, Lor	ng. 950	
Sunset: Time	1818	Position:	Lat7 35	I.or	ng. 935 iv	
Miles travelled	from 0000 hou	rs to sunr	ise = $\frac{47}{}$.	Tomil		
Miles travelled	from sunrise	to sunset	= 125	Smila		-3
Miles travelled	from sunset t	o 2400 hou	irs = 97) 1. /		
TIME OF FI	X TYPE OF		ATITUDE (A)	LONGITUDE		-
2 0800		6	014,21			
3. 1200		6	34.0	10	4 52	Y
4. 2000	ELEC	80	07.0'N	9	4° 58.0	w
5.	`					
Hourly Positions	•					
Time Latitude	Longitude	Wind Dir.	Wind Sp.	Wave Dir.	Wave Hg	5.
0100 4°58,5°N	950W	190	13	190	逢 /	
0300 5° 25'N	950W	225	5	190		•
0400 5 34'N	95°W	200	76	190	j	
0500 50 34 W	95°W	200	8	195	J.	
0600 5039.7	95°W	200	15	195		
0700 5-531N	99. W	230	10	200 190	1	
0800 6 14.7N 0900 6 28 N	9451.0W	261		200	1	2 4
1000	44/3000	06-11	1/3	11	1	
1100	(\	4.6	121	240	1	0 (3.3
1200 6° 34'N	94052 W	281	15	260	1	1 (52.3
1300 60391	940541W	770	9	2.60	/	1 88.3
1400 6"52,3"h	99058W	265	5	·280	1	
1500 70 6.5.6 N	94°551W	750	5-	300	1	508
1600 70/4/10	94° 591W	250	4	3790	1	,
1700 7°19'N 1800 7°21'H/	95°W	24.5	10	295	1	
1900 7°44'N	950 W	240	10	270		
2000 8 07 01	94/41911	240	4	270	1	
2100 8042	9500 W	11	1	11	101	· · ·
2200 "	()	0.76	m	11	41	
2300 8051	9500W	30.5	4	26,5	1	
2400 8°21'N	950 W			763		958 b -SI-MN

		13				_ /
Date 2) Sept 6 Organization	7 Ship	lockano	24 4-377) Cruis	se No Cax	tropico ?
Organization	1866	Record				
OI gallization		TIGCOT (1			
	da da	7	- 1 00.	2./.I T	0,0	N. Carried Comment
Sunrise: Time				PLN, Lor		
Sunset: Time /	8/6	Position:	Lat. 110	23 W Lor	ng. 95° M	
						programma in the contract of t
Miles travelled	from 0000 hou	rs to sunr	rise = 60	0000	6000	
Miles travelled			p	15	(2)	
Miles travelled	from sunset t	o 2400 hou	rs = 15	.,5		
TIME OF FI	X TYPE OF	FTX T.A	ATITUDE	LONGITUDE	₹,	
						,
1. OFO 0	N	10	-05N	95	0:5 6	1
2. 10 1000						
	CELES	10	0 21.0'N	950	03.5 4	2
3. 1200			0370 N		01.5'W	
4. 2000	CELES	13	2700	10		
5.						
)•						6 5
Hourly Positions	•					43
Time Latitude	Longitude	Wind Dir.	Wind Sp.	Wave Dir.	Wave F	lgt.
						15
0100 80 540	95000	355	5	260		31
0200 8° 47'N	95°W	000	7	260		- 3 /
0300 8° 59'N	95000	080	5	260		
0400 8 56 N	95°W	000	1	260	1	1/2
0500 g 08'N	950 N	000	.7	260	/	, 2
0600 9 19'N	95°W	310	3	230	1	
0700 903211	950 21	328	12	270	1	•
0800 100211	9502W	280	20	280	7	2
0900 11	21	270	12	9/1	71	
1000 10091	1950	370	11	11	3 (
1100 1015 1	9= 13/	2/4/	15	21	11	
	9001					1.)
	() Und	310	14	300	2	
1300 10° 34' N	950W	310	13	300		
1400 10 471 N	95°W	310	3	300		(5)
1500 10. 48.5W	950W	310	3	300	2	
1600 10° 50'N	95° W	3/5	P	3/5	2	
1700 11°02'W	950113	046	P	985	3	
1800 11020'N	95011	060	2	365	'2	
	95/2/12	18 3	5	129	3.	
2000 11 372		1 - 0	5	200	3	
	95016	150		200		
2100	(11	160	11	
2200 11		1 1	11	253		
2300		11	7	1. (0)	3	
2400 11°511N	950W	160	(5)	310		958 b -SI-N

Date 22 Sept 67 Ship Rechawae (W-37)? Cruise No Easthopean Organization US G Recorder	2
Organization S Recorder	
Sunrise: Time 6664 Position: Lat. 12 42 1 Long. 95 W	
Sunset: Time 1816 Position: Lat. 14 90'5, Long. 95 du	
Miles travelled from 0000 hours to sunrise = 483 miles	
Miles travelled from sunrise to sunset = 128.75.	
Miles travelled from sunset to 2400 hours = 52.7	
TIME OF FIX TYPE OF FIX LATITUDE LONGITUDE	
CEIR 130 1-111 (450 -1 -1 -1	1
1. 0800 CELES 15 15,6°N 75 01.5°W	The state of the s
2. 12000 LANT 9 13° 33.5°N 95° 90.5'6 3. 2000 EELES. 15°00,0'N 94°59,5'W	7
3. 2000 RELES. 15°00,0'N 94059,5'W	1
14.	
5.	N
Hourly Positions:	
Time Latitude Longitude Wind Dir. Wind Sp. Wave Dir. Wave Hgt.	1
	A
0100 11° 54° W 95° W 225- 7 265 2	
0300 1702015'N 95°W 195 4 265	
0400 12° 29'N 95°N 200 5 270 3	
0500 12°29N 95°W 230 5 300 3 0600 12°40'N 95°W 230 4 775 3	1
0700 120139012° 950W, 230. 4 260 3	
20800 1315.GN 9501 W 230 4 260 3	
1000 13 19 N 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	
1100 13 24N 11 COW 11 7 11 3	

8:14

95080151W 13 533.51N 1400 130 46.5 N 950W 136 56,5 N 1600 150 W 14009'W 950W 1800 14024.8h 14 51.5 59,50 00,0 4-3 958b-SI-MNH Rev. 19/28/66 745-140481R

¥ -

Date 23 SEP 767 Ship Rockawa (W-37) Cruise No. Eastropae Organization USCG Recorder
Sunrise: Time chall Position: Lat. 14° 205 N Long. 92°56 W Sunset: Time 18/C Position: Lat. 13° 29 N Long. 20° 20° W
Miles travelled from 0000 hours to sunrise = 90 miles
Miles travelled from sunrise to sunset = 158.2 Cos Miles travelled from sunset to 2400 hours = 77,0
TIME OF FIX TYPE OF FIX LATITUDE LONGITUDE
1. 0800 ELEC ÉCELES 14°12,5'NO 92° 29,3'W
2. 1200 LAN+Q+RRANGE 13°54.3'N 91° 35.0 W
3. 2000 ELEC 13° 23.8'N 89° 55.0'W
4.
5.
Hourly Positions: /EH
Time Latitude Longitude Wind Dir. Wind Sp. Wave Dir. Wave Hgt.

03 00 14034,81N 93°42' W 14 20.5 19.3W te C = 18 5 1- -° 35. P'W 22.6 W (1600 :3 Ty 1323.81 li 1 1 260.48 N > 2 29,7W 16.4N (B)() 1313.32 .17 17.0W 13010,170 (2400

958b-SI-MNH Rev. 9/28/66

2.5

OPA 7500-6 15475 24500 yds

Date 24SEPT67 Ship Rockdutte, Cot377 Cruise No Cast Organization USCG Recorder	ropear
Sunrise: Time 054/ Position: Lat. 13804/ Long. 8705 Sunset: Time 1747 Position: Lat, Long	2'w
Miles travelled from 0000 hours to sunrise = 75 Pailes	
Miles travelled from sunrise to sunset =	
Miles travelled from sunset to 2400 hours =	
TIME OF FIX TYPE OF FIX LATITUDE LONGITUDE	
1. 0800 ELEC, UISWAL 13° 20,3'N 87°49,2'W	
2.	
3.	
4. LA UNION	
5.	
Hourly Positions:	
Time Latitude Longitude Wind Dir. Wind Sp. Wave Dir. Wave Hgt	
0100 13°06\$8 W 85°52 9'W 075 12 180 1	
0200 13°03,21M 88°40,54W 075 12 180 21 0300 13°N 88°27,51W 085 12 195 1	
0400 120 0112 900 001	
0500 130 03111 880 050 028 10 120 1 0600 130 07111 880 050 028 10 120 1	
0000 13 07 N 87 31 W 028 10 120	
0800	WAVE
0900	
1000 ANCHORED OFF	
1100 ANCHORED OFF 1200 LAUNION	
1300	
1400	
1500 1600	
1700	
1800	
1900	
2100	
2200	
2300	
2400	0581

Date 1 Sept 67 Shi	Recherchy (114953)	7 Cruise No
Organization		
Sunrise: Time 0540	Position: Lat.	, Long.
	TODIOTOII. Dao.	10118
Sunset: Time 1740	Position: Lat.	, Long
Miles travelled from 0000 h	ours to sunrise =	
Miles travelled from sunris	e to sunset =	
Miles travelled from sunset	to 2400 hours = 103.3	miles
TIME OF FIX TYPE O	F FIX LATITUDE L	ONGITUDE
1. 1200 2. 0800 VIS		87017.0 in
2. 0800 VIS		87° 46.6'W
3. + 使	1 on ()	86 09 W
4. 2.000 elect	. (0 20.6)	
5.		
Hourly Positions:		
Time Latitude Longitude	e Wind Dir. Wind Sp. W	ave Dir. Wave Hgt.
	Willa Dil. Willa Dp. W	ave bii. wave igo.
0100 .		
03 00		
0400	202611 6 5	
0600	LA UNION E	
0700	1 2000	C ONCIN DOLL
0800 1709 3049		
0900 /2 57.7 87 9	CALM 3	#4/ N/1 -
1000 12 39 87 31		
1200 12 25.5 87 26		
1300 110 57 57 97 0 27		
1400 11044111 20022		125-1
1500 11°30'N 86° 500'N		5-5-
1600 // // / / 4/5 (11	
1700 11007121 860 3814		6 5 1
1800 10 50 . 8 2 2 2 1	0 11 - 2	65 1
1900 10 323N 3 2 16 W	~ 7	651
2000 10 20.6 N 86 04 0	0 087 15	gat
2100 10 EIN 85 55 H		
2200 04 54 N 85 51-51	11043 20	man
2300 CG 43N 35 AT U	093 20	91. 1 91
2400 79 34N P5 28.5	10 10 1	80. 1

allenie 958b-SI-MNH Rev. 9/28/66

3/003/5

Date Sept 28 1967 Ship Action (Maco-37) Cruise No Drganization 218.6.91 Recorder
Sunrise: Time 0525 Position: Lat. 705N, Long 8412W Sunset: Time 1719 Position: Lat. 705N, Long 8/37w
Miles travelled from 0000 hours to sunrise = 9/3 Miles travelled from sunrise to sunset = 199 Miles travelled from sunset to 2400 hours = 105.2 miles TIME OF FIX TYPE OF FIX LATITUDE LONGITUDE
. 0800 \$15 treiec 8° 16.5'N 83° 47.2'W
· 1200 VISTELEC 7°36.2'N 82°51.5'W
. 2000 Radar 7 03.5 80 45.7
Tourly Positions:
ime Latitude Longitude Wind Dir. Wind Sp. Wave Dir. Wave Hgt.
100 9° 23°8/ 25° 12.5 210 10 185 1 Win 200 9° 141° 1 8458.5 205 10 185 1 300 9° 05° 1 8458.6 205 6 135 1 400 8551 8432 w 220 12 155 2 500 8451 8419 w 185 12 155 1

0100	702391	25012.5	210	10	125	9.
0200	90/4/1	8458.5	205	10	185	j
03 00	90051811	24046'W	025	6	1.55	
0400	8551)	8432 W	220	12	155	2
0500	845N	88119W	185	12	155	1
0600	8 350	84050	6999	24	135	2
0700	82551	8352W	099	24	155	1
0800	X 165	83 47.2	113	15	155	1
0900	807	03 33	140	11	155	1
1000	757	93 20	140	1/	15.5	1
1100	7 47.5	8301.5	053	10	165	(
1200	90 36,01	82051.51	210	6	150	7
1300	70261N	82038	1 /	11	111	1
1400	7020'N	82023	1/	°°	, -	33
1500	7015111	8212	217	14	225	3
1600	7 07 1	8153 W	2/2	15	1/	11
1700	705 m	81364	214	14	10	1 /
1800	705N	8/20 IV	240	10		i d
1900	7 U 5 N	810911	245	10	11	
2000	7035	80 45.7	253	16	11	41
2100	7 03.5	80 285	253	16	11	.1
2200	78.5	80 14	2-50	16	(1	Ĉ
2300	7 15	80 00	250	16	(1	(°
2400	70 29'N	790551	215	15	240	2

97.30

1992

and from to and the second of the second o

Date 19 Sept	1965 Ship	Rockan	WH-0-2)	cruise	e No.
Organization	1.69	Record	ler		
Sunrise: Time	509	Position:	Lat.	, Long	·
Sunset: Time_		Position:	Lat	, Long	5.
Miles travelled	from 0000 hou	rs to sunr	ise = 6	2ni	
Miles travelled	from sunrise	to sunset	=	7	
Miles travelled	from sunset t	o 2400 hou	rs =		
TIME OF FI	X TYPE OF	FIX LA	TITUDE	LONGITUDE	
1.	LOORED	n anna	A) NAU	AL BASE	E
2.					
3.	PAN	AMA	CANAL	. Zone	
4.					
5.					
Hourly Positions	•				
Time Latitude	Longitude	Wind Dir.	Wind Sp.	Wave Dir.	Wave Hgt.
0100 70 40	790 50	220	15	240	2
0200 70 5 6.5	790 45 W	200	6	230	2
0300 80141N 0400 Q 29 N	790 39 W	200	8	230	2
0500	22700	3.00		3-70	
0600					
0700		SEE P	AMAMA	CANAL	
0800					
0900					
1000		W			
1200	AA	11222	Danma	DAUAU C	GASE
1300	HIL	DOBED	AMACIA	C.2.	77421
1400			MOMING?		
1500					
1600					
1700					
1800					
1900					
2000					
2100					
2300					
2400					

Date Sept 3	CEG Ship	Rockerne	ler_) Crui	se No.	
Sunrise: Time				39'N, Lo		
Miles travelled	from 0000 hc	ours to sum	rise =			-
Miles travelled	from sunrise	to sunset	- min-			
Miles travelled	from sunset	to 2400 hou	urs =			
TIME OF FI	X TYPE OF	FIX LA	ATITUDE	LONGITUD	E	_
1.						
2.						
3.						
4.						
5.						
Hourly Positions	•					
Time Latitude	Longitude	Wind Dir.	Wind S	p. Wave Dir	. Wave Hgt	t.
0100 504/1	79046	1050	Cj	030		
0200 .	110					
0400	500 -111		<i>D</i> 2			
0500 90 27'N 0600 9041N	79046	045	9	030		1 . 2 +
0700 9°57'N 0800	79°37					15.
0900						3 - 4
1000						9.8
1200						
1300						
1400 1500						
1600						
1700 1800		+			,	
1900						
2000						
2100						
2300						
2400						958 b -SI-M

PHYSICAL OCEANOGRAPHIC DATA NOON (L.A.N.) STATION POSITIONS EASTROPAC - USCGC ROCKAWAY AUGUST 1967

DATE.	STATION	ON STATION TIME (LOCAL)	LAT.	LONG	SECCHI DEPTH (METERS)	SURFACE TEMP ('C)	OCEANOGRAPH SALINITY (PPT)	LAYER DEPTH (METERS)
1	PANAMA		~~~	Perinden			%	~=
2.	47011	1014	06-50N	079-16 W	30	27.40	31.154	0 (n.ne)
3	47025	1108	05-41 N	086-31 W	25	26.60	31.97/	38
4	47034	0910	03-19N	079-444	19.8	26.18	33.155	36
5	47049	1435	01-60 N	082-00 v	1 22	25,00	33.925	30
. 6	47061	0900	01-115	082-02	w !!	23.90	33,414	15
7-9	GUAYAGO	IL, ECUA	Don	-	Bitmentallineamen	and the second s		with disconnection and
10	47078	0920	04-395	082-03	N 8	19.79	34.825	. 0
11	47094	0900	07-285	081-57	w 23	18.11	35.187	44
12	47103	0900	10-095	082-09	W 22	17.95	35,254	42
13	47113	0900	09-225	079-39 x	15	16.10	35.044	44
14-16	CALLAO,	PERO	effektions gud	Madaga	**Officers		Para	aprillation (see)
17	47134	0900	12-565	079-281	W 20	16.47	35.209	0
18	47143	0836	13-585	082-250) 23	17.41	35,300	43
19	47151	0800	14-565	085-001	0 19	17.84	35,355	0
20	47159	0830	12-075	084-591	N 19	17.80		
21	47168	0835	09-175	085-07V	V 22	18.71	35.315	50
22	47177	0808	06-355	085 09 x	v 17	17.95	35.092	0
23	47189	0900	03-51 S	085-014	0 12	18.40	35.037	0
24	47205	0900	00-405	085-04	W 21	23.43	34.270	20
25	47221	0900	02-081)	084-57	w 25	25.89	33952	28
26	47237	0900	05-07N	084-48	TW 11	26.71	31.963	1.5
27	47246	0950	07-43N	035-04	-w 11	27.38	34.029	0
28 30	PUNTAR	SENAS, C	ण जान ताट	A	-	personal files and a second		
31	47268	0935	11-58 N	088-021	25	27 80	33.049	0

PHYSICAL OCEANOGRAPHIC DATA NOON (LA.N.) STATIONS- EASTROPAC USCGC ROCKAWAY SEPTEMBER 1967

DATE	STATION	ON STATION TIME	LAT	DEPH DEPH ON 6. (ME		SURFACE TEMP (°C)	SALINITY (PPT)	
\	47280	0955	09-45N 88	3-14.W	9	26.19	34.095	NONE
2	47290	1010	06-47N 8	7-57 W 1	7	26.74	32.835	15
3	cocos i	SLAND						
4	47304	0915	03-22N	88-04 W	30	26.20	33.539	28
5	47318	0940	03-22N	88-02 W	28	23.64	34.842	20
6	47334	0950	02-245			18.50	34.860	20
7	47349	0940	05-105	88-02 W	14	18.58	35.250	55
8	47359	0915		88-0ZW	20		35.262	20
9	47369	0830	08-075	88-03W	20	19.01		
10	47379	0927		87-57 W	23	18.19	35.342	68 75
11	TRANSIT LE		13-578	01-314	Company States	10.60	20.102	70
12	47404	0952	14-170	95-03W	23	20.09	35.691	100
13	47415	0755				•		
14		ous with g		95-026	23	20.56	33.401	<i>> 1</i>
	47436						3 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7	~ ^
15	47443	1300	08-325		35			
16	47458	0915	05-555				•	
17	47474	0825	02-415		24	18.51	35.02	
18		1030	00 - Z3N			22.61	34.47	
19	47490	0904	03-16N	94-4144	34	25.80	33.72	5 32
20	47504	09.25	06-271	1 94-59 W	4 19	26.60	33.6	02 NONE
21	47513	0155	09-491	J 95-054	0 17	25.99	33.83	2 NONE
22	47523	0818	13-16 N	95-011	w 21	27.89	33. 26	4 7

EASTROPAL - CGC ROCKAWAY
AUGUST - SEFTEMBER 1967

		F	10603	T - 5	FELLE	RDS BY SPECIES BY AREA
	AREA	2				TOTAL # SPECIES
BROWN BOOBY	30	40	366	0	38	414
RED FOOTED BOORY	O		1040		•	1603
BLUE FALED BOOBY	1	0		l	57	60
PERUVIAN BOORY	0		0	0	0	6
UNID. BOOBY	0	0	2			4
LEACH'S STORM PETREL		144		75	49	636
WILSON'S STORM PETREL	10			0	0	
		67		0	0	259
LEACH'S OF WILSON'S S. P.						
WHITE BELLY STORM PETREL	0	8	0	6	0	8
GALAFAGOES STORM PERREL	1	1	O	0	Q	2
SOUTY STORM PETREL	2	9	40	4	2	57
WHITE BELLY STORM PETER	0	٥	٥	1_	0	
HORNBY'S STORM PETREL	0	8	0	9	3	20
SCOTY or BULLDERS S. P.	0	3	0	4	0	7
COOK PETREL	10	0	0	0	0	
UNITO, GADELY PETECL	0	14	0	3	0	17
CAPE PIGEON; PINTAGO PETEL	0	105	0	16	0	121
GREAT FRIGATE BIRD	15	1	1010	0	0	/026
LESSER FRIGATE BIED	O	1	0	0	0	,
UNID FRIGATE BIRD	0	76	37	2	141	25%
COMMON NODDY	0	0	50	0	0	50
FAIRLY TERN	0	0	50	0	0	. 50
ROYAL CASPIAN CRESTED TERN	0	6	0	1	0	
UNID. TERN	/	22	0	0	14	37
ULIND. TROPIC BIRD	0	1	0	0	0	
BROWN PELICAN	0	20	0	0	203	223
CHILEAN PENCAND	0	0	0	2	0	2
KI ITYWAKE GULL	h		0		0	36
	Ö	35		0		.35
FRANKLINS GOLL	0	120	٥		٥	120 96
SOOTY SHEAR WATER	0	- Same	0	.0	Q .	
WEDGE TAIL ! SHEARWATER	-_ 0	5	2	3	_ 2_	1.2
NEW RICKS SHEARWAITER	U	.0	0	0	42	4.2
UNID SHEAKWAIER	0	0	0	0	4	4
FULMER (UNID)	U	1	0	0	. 0	
UNID. ALBATROSS	0	3	0	0	0	3
NORTHERN PHALAROPE	O	9	5	.7	100	/21
PARASITIC? JAEGER	0	0	15	0	0	15
UNIT JAEGER	0	0	10	0	0	10

EASTROPAC - CGC ROCKAWAY

AUGUST - SEPTEMBER 1967

TOTAL & BIRDS BY SPECIES BY AREA

	4.5						·	
	ARES	2	3	4	5	TOTAL	EL SPECIES	
SHOWY EGRET	O	0	1	0	0)		
WHITE EGRET (UNID)	O	15	O	0	0	15		
SANDPIPER OF SANDERLING	0	0	3	0	0	3		
UNIO. SANDPIPER	٥	0	0	0	1	_ /		
DUNLIN	0	Ð	0	0	2	2		
MAMBREL	0	0	1	0	0	1		
UNID SEABIRD	0	3	0	0	0	3		
CLIFE SWALLOW	0	۵	3	0	0	3		
UNID FLYCATURERS	0	0	1	0	0	1		
WOOD PEWEE & PHOEBE	0	٥	3	0	0	3		
ENSTERN KINGBIRD	0	0	0	O	2	2		
UNIO WARBLER	0	0	0	0	1	1		
UNID DUCKS	0	D	0	Ö	8	8		
TOTAL & BIRDS AREA	151	1106	3050	129	734	5/70	DURING S	

	AUG		(1RE	A 1		EAST	7 - 8	206	5	196		caus	Y		
TO THE RESIDENCE AS A SECRET WHITE WE SEE SEE SEE SEE SEE SEE SEE AS A SEE SEE	DENISOVENING	1 2	3	MATERIAL SE	5 Samuel Services	ST S	TOTAL PROPERTY AND APPROPERTY.	NO./	eies/	ARFA	Martin House, we wish on surprising the	i de la constancia de l			7	a many gally in
						4.45-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1		المراجعة والمراجعة والمراج	Color				And Copyright of the Co			Sharing promine care
BROWN BOOSY	36	A STATE OF THE PARTY OF THE PAR				The same of the sa		30	Committee on a pro-	THE AND SERVICE TO SERVED TO SERVED ASSESSMENT OF THE SERVED SERV		The same of the sa		and Commentation of the	A CONTRACTOR OF THE PROPERTY O	
BLUE FACED BOOBY	A superior and the supe	The parents and the			The second of the company of the com			PAREMILIEU PROTECULO INCIDENTE					The span of the sp	The Marie State Control of the Contr		
LEACH'S STORM PETREL	5		20		24			66		A Section of the second	14 mm			And the second s		(Embryshing State
WILSON'S STORM PETERS	10	September of the	Section (Control	en e		Comment of the Control of the Contro		10								
WILSON'S O'LEACH'S SP	ಗಾರ್ಗ್ ಪ್ರಾಥಾಕ್ ಎನ್ಜಾಕ್ ಕ್ರಾಮಿಕ್ ಕ್ರಾಮಿಕ್ ಸ್ಟ್ರಾಕ್ ಸ್ಟ್ರಾಕ್ ಸ್ಟ್ರಾಕ್ ಸ್ಟ್ರಾಕ್ ಸ್ಟ್ರಾಕ್ ಸ್ಟ್ರಾಕ್ ಸ್ಟ್ರಾಕ್ ಸ್ಟ್ರ	The second secon		25	aratheris, a sindifferential supplications			25		arrighterment of the Table of t		A STATE OF THE STA				
GALAPAGOES STARM PETRE	ಮಂತ್ರಾನ್ ಚಿ	PATERINAL LANGUAGE TO BETTON		in the state of th				e to tail-tespendentes que a mart		KAĞAROSANISM EDANI						
SOOTY STORM PETREL	NOCHE PHOCUMES	A CONTRACTOR OF STATE	a Servente empresant	current scool attrib	2			A CONTRACTOR OF THE PARTY OF		S Cappellaria		The contractor		taring and an angel		
GREAT FRIGATE BIRD	15	The state of the s	The suppose of the same and	و المساورة الأنام المساورة الم	Andreas of the annual states			15								
UNID. TERN	TERRA S UNITED			a consultant and a cons												
	Carlingship a arthragainth	A Greatharth The Mark	A THE BOOK BOOK BOOK BOOK BOOK BOOK BOOK BOO	and a superior of the superior of	internal Company & with		A Marie of Marie and Marie	·李哥尔克尔·罗奇尔克·雷奇克尔·克	to describe the second			hasan setang	SO TOMOS DESCRIPTION OF			
	a enervi el cuncar				no estra professor la	e Paralerrianementen	The second secon	Ciplatorape and					on the state of th	na Coulomana se		
The state of the s	most stan pad jugitet	The second section of the second	ant - variables in company of the	PO SET PRETTY FACTOR OF THE TOTAL THE	2 2 2 2 2 2 2 2 3 2 3 3 3 3 3 3 3 3 3 3	E 41 CONTURBINATE	THE REPORT OF THE PARTY OF THE	Phaggi Phalligen, Abylik (Laty)	one many is to disease group	AND AND AND THE PROPERTY OF				or the orange of the control	A STATE OF THE STA	
BIRDS OBS/DAY	2744CA 25 1146		20	44	78	man e mutamassa	A STATE OF THE STA	152	TOT	AL X	Biro	A RI				
Control of the control of the selection	racerements o materials	and a programmer and the past trade-and				taranedii e osaran	ACTION OF THE PARTY.		and the first of the state of the	E CONTRACTOR AND					- Warmer service	
PERMANER STEERING THE SET STEERS TO THE STEERS TO WHICH HAVE A TORK WAS ENGINEERING THE LEE THE FREE	creaminar o parembar			and the second s	Comment to the first term the force of the first term the first te	Annual States C. 6	A manuscript of the state of th		a magagan nénanan ma		VIII		THE THE PERSON NAMED IN COLUMN TWO IN COLUMN			
The resonance and open contractions of the contraction of the contract		Valariana e Para		e streets seets a seet some							al arransaciónse	A DAN TORONA				
CONTINUES AND	el ellegis que encels			ا المان موران و التناع موران والمان المان الم		To the state of th					Harmana Mariana					d to your factor of the factor
LI A NILLAND THE PARTY WAS AND THE PROPERTY OF THE PARTY AND THE PARTY A	e. Sandudaba	unti trans e i a ser	The associated was the same of	kan apama man elek el				and and the state of the state	750 x 20 x) Jacobski samon	Company and the second				
MANAGEMENT AND CONTROL TO SECURE TO SECURE TO SECURE AND CONTROL OF SECURE SECU	Heavery Velesch	Leituve savetteidromystaveide							Part of the Part Company of the Part of th	Sect S172000 Bellings		Proceedings of the second				and delegate designation as deliberat
A CONTRACTOR OF THE STATE OF TH	वस्तरास्त्रीत १ वस्तरास्त्री	uremistare awone awour, each as th	Anny spidens interest	politi as careel a local talke ground a			A CONTRACTOR OF THE PROPERTY O			Control of the second	A DESCRIPTION					The second section of the section of
R31 worder to the contract of	weeks, do a lead world	ANGEL STREET	To the same take the	To Force and Article	acortinosassass	TO THE PROPERTY OF THE PARTY OF	A CONTRACTOR OF THE PARTY OF TH	000 574 2000 OK NO LIVERY	and completely division	The second	Maria massa m Maria massa m					
The second secon	ment of the state			الإ المراجعة المراجعة ال المراجعة المراجعة ا	regueste. I pri liste entrale de distributedos	The President Speech Street	Andrews a recommendation of the second	To the second se			The throws and the	A CONTRACTOR			A provide semicondo escala	
	E CONTRACTOR OF THE CONTRACTOR	The second section is a second rest.	हैं। 13, जंगावाब कारी रंजका क्षेत्रकार का उन्हें 15	be the second of	at an about the same of the sa		d Professional State of the Sta	premionente in anno de la companione de	thurbheneyy hendelst				A Secretaria de la companya de la c			A STATE OF THE STATE OF
The state of the s	Market San 12 of Care President	Che Talan i rajacche d e anna Pricana a a	TENER WITERSTUN MENTERS					The second secon	SAIDLE COMBRANCE VO.		A CONTRACT ASSESSED				A THE MENO ME AT	A CONTRACTOR OF THE PARTY OF TH
مراه مدين التاسيخ المراه ا والمراه المراه ال	december of the second	And the state of t	A Management of the Control of the C		Parameter and Control of the Control	and the second		ENTERNAL MENTAL STATES			i de la companya de l	A CONTRACTOR OF THE STATE OF TH	A MANAGEMENT CARROLL		omanos mas suc	a valua emergent and essent
4 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	and on the second	and and support of the second	A Darks Tith Frank Come vort, and	Programme Activities of Control of the Control of t	on air for father had	A Section of the section of the sect		L. see some see of			A CONTRACTOR		To messo more posses		A CONTRACTOR OF THE PARTY OF TH	The same start suprants
المورد المرادية المورد ا	internal single section of the secti	the state of the s	E. Steel of Steel of the Steel	Augustia Canada () Canada ()	Tala - Ary Basaya and	The state of the s	A STANDARD S	P. W. LATTER P. Land St. St. St.	AMORTOPHICACO SHEPTCH	*** *** (*****************************		The state of the state of state of	A STATE OF THE PARTY OF THE PAR			ations and a second a second and a second and a second and a second and a second an
A PARTIES AND DESCRIPTION OF SPORT AS A SECTION OF PARTIES AND A PARTIES	was our a consecution	A STATE CONTRACTOR CONTRACTOR STATE CONTRACTOR STATE CONTRACTOR STATE CONTRACTOR CONTRAC	As the second of	TOWN I' SEE THE STATE OF STREET	And white was the control of the con	ALLOW-COLOR ALASTA	The state of the s	A STATE OF THE STA		Country to the ties to the ties of the tie	ST Property of the managery of state of the	Automotivas e dispublicad		Springs and control of the second	A STATE OF THE CONTRACTOR OF T	Barrargotae rurossa, m o
E TO GOT LOT GRADELLE WAS THE WAS TO SECURE TO SECURE THE SECURE OF A FULL CENTRAL PROPERTY IN THE ASSESSMENT OF THE SECURE OF T	ALVESTICATE TO SEPTEMBER ST.	And the state of t	The same of the sa	ALTONOMY STREET	er soch diniero society system, n. s.	A PARTITION ASSESSED.		Silver a superiorant		ments of the state	\$ \$2.00 \$2.0	and for the second to			E REGGERS OF ALC: PLOTES YE	ANDRESS OF THE STATE OF THE STA
	min in a complete	and the second	Personal de on bestelement de se	Private considerate active of the safety		A CONTACTOR OF THE		more en acom	March 1984 point Scinetic	ediluCity of ediluCity a	Action of the second of the se	Geografican nipol	HARMAN TO SERVICE OF THE SERVICE OF	G G G	Every Control of the Control	
AND THE THE THE TOTAL DOWN THE COURSE OF THE	The section of the se	A Property of the Contraction of	E 2002 2000 2000 2000 2000 2000 2000 20	alen etan zur Zhanezzek	n-arlowerstonaus	the second of the second		THE STATE OF THE S	ingenia and an ang ang ang ang ang ang ang ang ang	N, MARINEZETANIA		SPOPER WINGSTER PO				
The second secon	mantes tooth	e constant constants for the second of the s	Trace a subsective like	escate a posteri	THE WASHINGTON		A STANCE OF STAN	un reservited (I moreovery	and States of the States of th		ana Carange	CALLES CHECK			
an out on another commence commence of the com	The contract of the second	70/19.10.00000 10.00000 10.00000 10.000000 10.00000000	Constitution of the sales	A SANGER OF COMMENTS AND A	250 - 20 0236 C226 12 0 2 0 2 0 2 0 2 0 2 0 2 0 2 0 2 0 2	S S S S S S S S S S S S S S	The carriers was not	ghe dissertation.	A THE STATE OF	ar it in which			'a Ser answerense			And the reserve to the
ا الله الله الله الله الله الله الله ال	rounded remarks	E curs res bestern	- 100 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	and leavellaged while	and decidency of	honn'inen			E. Carestra.	an sinar for		lice posterior	TESTINATION I		SERVE CONTRACTOR	
The section of the se	manus dray	A SECTION OF A SECTION OF THE ASSESSMENT OF THE	The state of the s	ANTERSE GETTER VERY PARTE SELECTION	Dazaren Zenezeren iri			O ECUS POPE MIZZET			in the state of th		CONTROL MARIE	ALLENGTON ON THE	Don terminal (1)	The Indiana in the case of the
of different contractions on the contract of t	languar no man manifes	dobe with a significant		And the second of the second s		e Transe Transe un pri		CATALOGUE ACTUAL	man a more	ng nervannskerere			EF LOW OF CHIEF TO THE CO.			MANGER WAR TO
x tor agranditions 10 In compression & name and an ender a fill of	The main seed	man aire i	CALLY MATERITY SALES C	Control of the Contro	* ************************************	ours sand established			WEATER & WALL		wittowitzin	ار استوهاری بازیک در ۱۵ میکند در ۱۵ میکند	stradyna Jans,			
white and the second of the se		terminate of the state of the s					The I stay by	ji L	96.3° 12.07							<u> </u>

•			ARE	A 2	E) वर्ष २०४			Roc	KAW	YAY								4/2
FO STANDARD FOR AT THE A DEAL CONSTRUMENT SOCIAL SIZE WHEN THE STANDARD STANDARD SIZE SIZE A SECTION SOCIAL	6	an responsible for the Equation	man's the set than the beautiful	Pas ou house of a security	10	The court of the latest and the court of the	12	13	Marine 14	15	16	17	18	329	2	a 21	12	23	24	101
BROWN BOOBY PERMUNAN BOOBY 8-WE FALED BOOBY	ante como en esperante ante e en esta esta esta esta esta esta esta esta	155	and a ser one - Lat receive and real extension of the real part of the rea	The second secon	15	And the second s		16								Dispressions			responsible and the	HC
LEACH'S STORM PETREL		25	Common or the action for the part of the second or the second of the second or the second of the second or the sec	Pro-electronic de la creativa del creativa de la creativa del creativa de la creativa del la creativa del la creativa del la creativa de la creativa del la creativa de la creativa del la cre		Provide California de la lace conserva	The state of the s	PREMIT REPORTED A CATTER A CALCALANA			DA' MONTERADATION				33	26	15	25	. 4	14
WILSONS STORM PETERL	क्षांच्यासम्बद्धाः । १ स्टब्स्यकान्ताः	TO THE OWNER WAS A TO STANLING	And a Committee of the Andrews of States of the Andrews of the And		202	Andrew Control of the	of the limited clinical angularies	15	N. Carrier and Annual Control		30	25		2 1	1			15	as Aldrew and a	292
WILSONS OF LEACHS S. P.	tervisii). N . waaqidhee	The same was	die de diese de verdene es ganerilles	has ever a cubig rather in the	Salar Salar Salar Salar	40	16	and the second state of the second second						1				13		6
WHITE RELLY STOOM PETRA	Days man	Programme and an arministrative to	de trongente dont transport	per State, gravengenessa, dar da Stor				phis-markemanapactous exec	and the second s					2			4	Contraction of the		8
GALAPAGOES 3 TORM PETER	The same of the same of	Commence of the second		the section of the state of	- Transportater		procession of the second	on the second of	y, more butters to the view to pa	S. San Street May Grave the		A CONTRACTOR OF		ME SET S						MENT 1
SOOTY STORM PERREL	200 miles - 200 miles	The state of a state of a state of	Salt Principal Sales of Street Principal Sales	gs- dus strater/specifice due to surellina entir disposi	2		or Perro e She khi Shilling indexed.	Add to the same of the same			Security of the control of the contr	- 1 See 1			2			Z		9
HORNBY'S STARMAETRELL	e delicione de la constitución d			200718 7280 4144		Discount Avenue Table	3						77.77	mprograpajaŽit ki	A THE PARTY AND A	1	UTES PROPERTY	3	ind Superior	8
BULLIER'S OL SOOTY S.P.	Caracteria e paramente	Solom 20 Week of Belleville	ne harabe cad al vig	y coverable sun. 760 - Apr. kg, sicci									4			deconstruct			Markenson (n. 1904 - 1904). Markenson (n. 1904 - 1904). Markenson (n. 1904).	3
COOK PETREL	Their (xienaty			The second section of the second seco			and distributed at the control of th	1	A t One To exhibit with the	Transfer and the second		Total Control						Service of the servic	A 13 MODE TO THE	- 1
UNID GADFLY PETREL		AFFECTACIONS OF	07.825.75.c.(149)-		2	10	7	TO SHOW THE		STATE OF THE PARTY							ac and sade			14
GREAT FRIGHTE BIRD	THE OWNER OF THE PARTY OF THE P		CONCESSIONS BROWN APPROVED AND AND AND AND AND AND AND AND AND AN	O EDINAÇÃO PER IL LA PROPERTO.	Million that parks Tarverson	and the same state of	A CONTRACTOR OF THE CONTRACTOR	CALCO TO ACUSTOMATION AND ACUSTOMATION ACUSTOMATION AND ACUSTOMATION AC	Palaracija Palaracija serv								antorogo	Constant and Additional Consta	1.	22.43
LESSER FELLATE BIED										Color Section	The same of the sa							5	1	1
UNID FRIGATE BIRD		75	Plan Laboration of the						CHECK THE TEXT OF STATE AND A					indination.					4	76
UNID. TERN	THE PARTY OF A PARTY OF THE PAR	Andread Security of the Securi	Service to the service of the servic	CLPackTOLPactOCTOSpecial Times, and addressed	2	AND AND RESIDENCE OF THE PARTY	recommend acromourously	Lore excertamentes en chect of h	克莱州地名	The state of the s	20	residence E						and the second	-	72
	CONTRACTOR OF SCORES	Commence of the second	DINTERVEZZOSEZENEN AZ G	dolg-rangit tip til mendina stimbig at hunc	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	economics products to const.	. Nadrovi kapovelete di matrico.	e i i a companiente de la companiente d		Secretarion Colleges for any deposit					1	-07-20/0	STATE OF THE STATE		haf ding o bayahangan iyo salgarin kuma aya eli Aba _{da} o kusa bada aan	المسائل
CAPE PIGEON (PINTADO)		20		aringtalaugupun tilahin ila akhiriya arawi	30	15	2 STATEMENT PROPERTY AND A	harrino mano no mana and a	erite aftili tidakettipoliska ist konst		S. S.	\ \ \ \ \ \				10	41	L	han to be a second	105
Brown? PELICANS	endad (endergrade)	20	CONTRACTOR AND				. Wasper Charles		HALLIN ALBERT SIGN CLASS CONTRACTOR	(i.s.	armonina di Franci		- January				and the			7.C
			esser suite and egyptemical telephones and	Prilassipai radionis, primitalinis		and the little of the regulation of the section of	ar areasons o mo		epitaterzi kultoytabenyty	AND BEEN PROPERTY OF THE PROPE	35			araa-sa	DEPRECIAL SE	LORENZ SO	HARMAN STA			35
FRANKLIN'S GULL	edicate a stresser.	100	add: trau rowan rustinian for	referenciares aprelimientos de del de despesa aprelimientos de del del del del del del del del del	Production of the Profit of th	ny demonstratory and experiences	mus e monemant		كالموضوع والمكالمها ومعط	AMERICA AND	20	A		Part Color Sull				and the same	eredely/South elephy	120
UNID WHITE EGRET	2007 2- 1 15- 2000 A	Albanamouri, sinsalin	And the transfer of the transf	- Secretary and the secretary		ramonover-kunj krivitenj	chamber o mean	edding nymen e does ny come n	A the entragent of the first transfer of the control of the contro	tradigi saateen orango 425%.	9			PERCENTER	ad soucht, so					15
WEDGETAIL SHEARWATE	JC	Annual Control of the	men mineral proposition of the	to produce quality and consequently shall make ever	Property of Section Physics Back Property Police.	A CONTRACTOR OF THE PROPERTY O	Carleson & washing	Marie and an	THE STATE OF		90			Production in the second		AMPRILATION			a marindina traca.	5
SOOTY SHEARWATER	A	The sports properly statement of the	tana merekanyu usang t	and the second second	CONTROL OF THE STATE OF THE STA	andensidebilikness, and	ipopopor e alle	acestures Suns	The state of the s	en som men med en med de note	NO DETERMINANT	Altrophic Lands		el templetation appr	resis o			The state of the s	1000	67
FULMER	Parties a service	Sentral market of the second contraction of	e estamentica descriptiva estem por	Accidentation to Language and Academic of		The state of the s	paramatar di m	Terimonica activa emperatura	d necession makes	A THE THE PARTY OF THE PARTY OF THE	gyrounder kelvespoor, maartel	AND SEPTEMBER OF THE SE	A STANCE					ne en faria	Carrieda Nova	7
ALBATROSS (UUID.)	Section of the contra	n German and americans show	manuse - l	CONTRACTOR VARCON	The state of the s	Survey on the second		NATA PROPERTY AND TO STATE OF THE STATE OF T	DIMETER STREET		TOXIVER STEELS OF BOULDINGS				1 2 2 3 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4	2	ativisti proc	1	i satelak puminé i sakinde	3
NORTHERN PHALAROPE	erwo o j awrencije	Parties received the second se	wherever to Authority on the	IND-BUILDHAM SHAYA		A second transfer of the second secon	menan man	a - a most manifes	na es essential	contact a soft contact of		demonstrations	in parameters.	rations to			aese d enc	T.		22776
UNID. SEA BIRD	man is a service for	among property company	to a warmen them and a tandont of the	QQ_Gariclin.Placeter_analogopyre_{	roomer some mil	V = 222 - 22 - 22 - 22 - 22 - 22 - 22 -	2	. act mes and self-use	and the second section is	i ir sa rodominani moga 🚽	products or belleming as myselver	ares -journe		Managaga	ion economic				Milionary, 110.	3
THE STATE OF THE PROPERTY OF THE PROPERTY OF THE STATE OF	This is a specific	The state of the s	Mar 2 ser concentrate on Land	- 135 MF W PHILISEP STRAFFISSISS	Section of the state of the section		grantous vermas a cod	The second secon		R washing processing week to a	an princip ang Papangan Bang pri granamatan	As one and the last of the				Control of the second)	or a series		1 C*** %
ATAMECIO PORTE MORE ARABIMINATA VALENTE ENERGE MECTORAL TRANSPORTE EN ARABIMINA A PARTE EN ARABIMINA A PARTE EN ARABIMINA A PARTE EN ARABIMINA EN AR	18	270	pure mass rup of re	ence p _{ables} produces and	260	Andrew 2010 of 12 1	21	33	0	TOTAL SE MAN SE	202	20		or were si	30 4	TI-	L 7	K	R	Hol
BIRDS 005/DAY	and a company			WALL BEST OF THE SECOND OF THE	The second secon	And the second s	A STATE OF THE PARTY OF THE PAR	Statut & . A management		Constant Constant	Mediacons	A CONTRACTOR OF THE PARTY OF TH	(Transac)	The state of the s	Harris are	- was	er specia	THE PARTY S	E-Easter E	TOTAL
THE WASHINGTON THE RESIDENCE STEEL COME WHEN THE WASHINGTON THE STREET WASHINGTON THE STREET WHEN SHED		a special very			The second service of the second seco	MACCOURS MN	Sample Salest Heron, Id. 6	Section 1	A Company of the Comp	time que de	ates of the second	A CONTRACTOR OF CO			DAS MESALATION	The state of the s				SIRPS
	AND A IN PROPERTY OF	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	CONTRACTOR AND CORNECTION OF THE CONTRACTOR AND CON		S. Sangaran		AND THE THE PERSON	Constitute of a line		terporarion of the	ermanete.		200	ozani		- 10 to 10 t			27773722 2:32	AREA
Blues	is a section of per	Pages 3 year doct told	- January Community of	of the house of the first of the second	NATIONAL SERVICE SERVICES OF THE SERVICES OF T		er en delocation on y	olicianolicana ()	المنظمة المنظمة المنظمة المنظمة		TO SECRETARIO SE PARTO	LIFE MATERIES	OF CHARGE	urtirantes s			A Page 4 Total		Tovorph	der,
A STATE OF THE PROPERTY - N. P. LABON AS AREN'S PART IN PROPERTY PARTY OF THE PROPERTY OF THE	and anomalia	deta b sectors of the section	and the second second	Transparence	CATON ON COUNTY	CATTON CREATE	mucesannes ()	erro cerano una cidi	To reserve of	reservoir Treat		V west-Plante		ž		\$				
The to the man to the man to the man to the second to the	brus I-te a I service has	A CONTRACTOR OF THE PROPERTY O		MILE PROPERTY OF THE PROPERTY OF THE PERSON	T. Land Cong.	- And a second company of the	Salara Constitution of the	gacanio-renament for	· • · · · · · · · · · · · · · · · · · ·	mach anns earch	A AND AND AND AND AND AND AND AND AND AN	াল বাহত-এ ৬ ক্রিবার বাস্	CLASSIN .	kee one	programmer or	2277 3 2000		ary bearing	DANGES AND A C	3°
7		5	1	2		TO NOT THE PARTY OF THE PARTY O	2	Ü	3	9	9			ğ		61		T.		
A CONTRACTOR STOCK AND A CONTRACT SHAPE SH	on easy	and the second section of the second section of the second section sec	to marketing	and the same of th	A CONTRACTOR OF THE	The annual of the second	Commence of the second	es comments of	prim a mag	ouropero ou la constitue de la	S- 12 recention of	mpture to amount	LUDGLECK	en nearly	Table and the second		rana kala	er Jacon	Uniyan viis **	gen ge Beg kaust

AREA 3 EASTROPAG - CGC ROCKAWAY
25 AUG - 5' SEPT 1967

•	22:22					25	AUG			196	Ł			TOTALZ	SPECIES
and the second of the second o	AU6 25	26	27	28	29	30	31	SEPT	1_2	13	4	5		PER	REA
BROWN BOOBY			5					Cr. Develope Claid		300				306	
RED FOOTED BOOBY	8	The second ones	The second second of the secon	A Suppose Fill Engagement a		Principle of the second	No.	9	2	1000	20			1040	1800
UNID. BOORY			2						-		· minerovery opposite		Films of the state in the state of the state	2	AMBRICANIAN PROPERTY
BLUE PACED BOOBY	STATE OF THE PARTY		The second second			Photo C. Committee	Consequence of the consequence o			and the control of th					gellik kyrrek en tourio prosi a stjornet ditte
LEACHS STORM PETREL	6	10	225	page of process of			2	50	5		2	2		302	
WILSONS, STORM PETKEL		A SECTION SHOWS I PROPERTY SHOWS AND A PROPERTY SHO	2	150	nos sacromentos executos	Section of the Sectio		15		A STATE OF THE STA		mate and more than		167	
WHITE BELLY STORMP	The second total of the second		The sourcestance assumed	The second secon		- material production of the contract of the c	25	12	Z					40	STEERING CONTRACTOR
UNID STORM PETRE	Fayou		in a superior of the superior		\$ -13pm2101.png.c.	Account of the Section of the Sectio	approximately (CELT) and CELTS with	wantest, odprovigati				EDES SOCIOLA C. M			
GREAT FRIGATE BIRDS	a deligation of the second	1	The second secon	a a ou sa ou vo		pa-Saccadedia/Argunya ka		Andrew Salar Care Care		1000		And the state of t		1010	
UNID FRIGATE BIRDS	23				APPRODE & CORPUS						13			37	
COMMON NODDY TEEN	The state of the s	The contract and the section of		್ರೋವಾಭಾಗಿಗಳಿತದೆ ಪಕ್ಷಿ ಕರ್ಮಿಯು	repositations and a	ಕಾರ್ಡ್ ಜೀಗಾ ಪ್ರವಹಿಸಗಳು	a common the first of	RANG TO THE STATE OF	MOST PROPERTY OF	50				50	
FAIRY TERN				TIDATESTA		N. S. Marca en el marrie		3. Same pul Sans		50		47		50	
WEDGETAIL?			The second of th		- April - Apri					TO'S COLES SELVEN NEWS	Per Allendaria	A COMPANY OF		2	
NORTHERN PHANOPE	A CONTRACTOR OF LAND STATES	A STANTAGE S					4	COMMITTING A						5	
PARASITIC? JAEGER		Separation and coloring at the firm only the	Compression of the second	or a california per	300000	CONTRACT TATALOR					15			15	gen. Bestelste villanssis v North system on tra
UNID. JAEGER			Transfer to the control of the contr	9 5 5				To the state of th			10	A CONTRACTOR OF THE PARTY OF TH		10	Proof 1 (Stransgellinistania risk desemblisheroom) *
SNOWY EGRET		W. Continued and Security Secu	a Dec grandonica		2 c.bo-Filth, Polith, a-ser			San C. P. San S. San J. S. 100 (Co.		LOCAL CELL MAN ALL	The party of the p	Aurousiana Azon Sha			med displaying an general flow flow flow flower for a second second flower flower flower flower flower in the second flower flower flower in the second flower flower flower in the second flower flow
SANDERLING OF SANDPIPER	Sand de Coulon en Indicado de An	Special Control of the con-				A. 100 P. 10 A. 10 A			Collectives to decommend on the	2				3	
WHMBREL	September Constitution	31					T. Sanda State Control			1					
CLIFF SWALLOW							MICH & ASSESSMENT		3	and the state of t	The state of the s			3	
FLYCATOHER		against the second				and the second section of the second	DO-STORE &					100000 Magazines			a Hidana da andanco
PHOESE A WOOD PEEWEE	Trades to a construction of the state of the			Contra an industria	ares Sciencias Spa Ass	عالمت معالمة المعالمة المعالم	3		Section of the sectio	The second second second	Le View contramento con file			3	ging extension from the continuents.
Approximate the second of the Second approximate of the Second of the Se	estadores carines () vicinalizações	regrede rifferends of transmission. The en europsid		One of the second sections of the second second	to the state of th	-ar planet strangelier abhaban a pantaj ap	Action to the second	AKel-Nessegarenspergest in in in	ecase every submonaries every	and an analogue of the last state of the last st					
TOTAL NO.	38	The state of the s	236	150	O	0	34	89	13	2413	62	4		3050	
BIRDS/DAY			in the state of th		e(coesses as a re-		STARTED	Service Planetoppe		5.3.14 (F) 74 Hz	To John An Pricing	Becchonerria		6120	SAREA
THE CONTROL OF ENTITIES AND THE CONTROL OF PROPERTY OF THE PRO		Salliforn later Park Son Controller		T. R.	THE COURT OF SHARE		1	200	10 PM	- Dostan	A COLOR	Diam'r de sa	A STATE OF THE PARTY OF THE PAR	The second secon	
FOR SLIBERT OF MYSSION WHITE THE PRESENTS OF SIX PROPERTY OF STREET		and the state of t					dy and	T. T. T. MICO.		A STATE OF THE PARTY OF THE PAR		G	CHICAGONO POPUL TACTO PRETENTA POPULAR		
The filter protection and seed the extra comments of the comme					Cr. Party Life City	CHIDDRESS FOR FAR F. F.	T. Carlos D. Marchannes C.	S. A. Marin same S.	STACORE WAS DESCRIBED AND WAS A STATE OF THE		CONTRACTOR OF THE PARTY OF THE	more more free	THE STATE OF THE S		
	0.00				S. S			2 Bonesia Maria	A STATE OF THE PROPERTY OF THE	5 Lo 140 57 Pto-37027 150 535 5 PT 1136 PTO 150 5 PTO 15	CONTRACTOR SECURITY OF SECURIT				olivilarnyamen terroration
AND AND ALL AN	F STATE ON STATES	weeping Shindspitz , Johnson			300000000000000000000000000000000000000	25.000		gov a manufactural		re manuscrement ar large of the shift	and the second		And the second s		rindratespecialization (
A CONTRACT C	Marion o	EMPACE JUAN PRESS	on the statement of the statement	Status Defractions - Spinster	d to the second	THE PARTY OF THE P	m. m	existe a more of	CAPALLESSEE PASIA - COM ANTINA PARA			sacouma jem	A STATE OF THE SAME AND A STAT		THE PARTY OF THE PARTY.
AND THE STATE THE STATE THE STATE ST	San arten . san of	trans ger serse easen	AND A STATE OF THE PARTY OF THE	The second secon	*Base Sar, Tan. A. 1774 of Star Star 1774 of Star	The Park of Spiriture Street,	The state of the s	Statement 8''8 washing	A THE SECOND WILL	erz spanu egizzieziez geura	The state of the s	SWOTE STATE OF THE SECOND	The state of the s		
CLEST TO CONTINUES TO LETT MANAGEMENT AL LIE THE THEORY IS TO MENTAL THE MANAGEMENT AND ACCORDING THE		4	Brook and	2)KB 11/KB 1	2. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1.	T-go 2/03/pulled-com	awast-was	mencetor F 4	Cocciera minateriorio	Nozi en algen	or second				CSCNE NUMBER TOUGHT EN
THE ATT TOWNS FOR THE STATE OF	A Section Company	· Pager (THE RECEIVE SE	- Presidente de la constante d	Typoddinic Carp, angle & Secretary, 5, 5, 5, 5, 5, 5, 5, 5, 5, 5, 5, 5, 5,	Application and a second as	oranica c	Consenses of	S STORESON AND STORES	CALLET A COMPANY	ware and a final a	De serviciones		T. STORES CO. LEGISTRY FOR	the canaly's
A remarks much and staying model as the my memor grades of 12,35,200. We discovered graying a better model.	Strand to a specific	POPPER SEE SEE	CAPU LICESCA SPAINAPPAR	Commence of the Commence of th		And and have been been been been been been been be		the act the species of	-described	The state of the s	ALL COLUMN TO	MOON TRACE SEASON		THE REST OF THE PERSON NAMED IN	felding parties - fre-libr.
The state of the s	actions of the second				and marines	ALTERNATION SERVE	garantarita (c.)	ermania esperi	B. Albertano	-sacrophines (Teal Tries	r-romanacións	eensen hoe	Street Francisco	case remarks the for	The American
Call 1876 of majorin distinuishan 1 clips of a community or many any an garagement. From hyperelline and frequentially	movers	de despite grand public Services, A Valley C		and the same of th	armer many	TACUMENT OF S		to and the annual many	E. WILLIAM	to the section of the	e une consensor pres	SALTHANDERS PRO JULIAN	and the second	mer maces and	Control of the Contro
There is the property of which we are well by their many burners for the constrained before the south		and the second of second		The is who or was well	A COLUMN TO THE PARTY OF THE PA		5000	in the second		-	De la Company	5/100	STATE OF THE PARTY		
and hereby the grade destroyment participation security is made about a depricated seales and security of a	estation to mark	ed induly ho	Close a reserroductor	Carrotte Car discrete	ras. ers c rasand	WERLALL MIL PATE	M > WP + D MC		destroit a solid	THE ALTERNATION OF PERSON		Service Commence	an racional formation and	ments some state of	00
OBE ENDA HAD ANTON OF THE MANAGER SEE A STREET OF THE SECOND OF THE SECO	1		2	4	9		2		1	. 3	2	10			

			A				ed pa				CAWA	Y			
•							PTEM								Full State of the
PETER DESIGN OF THE AMERICAN SERVICE PETERS FOR THE SERVICE SE	6	1 7	8	9	10		12	13	14	15	16	17	18	too how a langer	with the language
BLUE FACED BOORY							ACCES OF THE PROPERTY OF THE P	2		F					
UNIC. BOOBY	ts discount duty		i i	* The second	The form the second of the second					100		1			A CONTRACTOR OF THE PARTY OF TH
LEACH'S STORM PETREL	1	21	= 21						,	1	10	11	10		75
WHITE THROATED STORM?		A Partie Court Part of		199	المستدود والمدار والمستدود	June				jun re	t savage				The second second
SOOTY STORM PETREL	2 2 2	1										2			4
HORADBY'S STORM PETREL	-	5									3				9
BYLLER'S ASOCTY S.P.	responden en improvedin							1							4
UNID. GADELY PETREL	MANUAR & PROMISE	and the state of t		IDenia West Called	Nonelli Control			deterol/Darkenser®E		And the second			3		3
UNID, FRIGHTE BIRD	part tong to grant tone	2			2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	mone la i lipentené ente i con	THE PERSON AS THE PARTY	والمنافذة المنافذة ا	Sange equipa Eyes			-			2
ROYAL CASPIAN ACRESTED.	2 2 1 2 2			- Control of the Cont	7010 1 101	Victor (o. C.)							1		1
CAPE PIGEON (PETREL)	1	3	2	:2	1	7	2	2		Degree 1	D	2			16
UNIO. GULL				4			AT A				1	-	1		2
WEOGETAIL?	mathe 1 according		41 204 1 200	ar us A	divers between	TOTAL SERVICE	\$ \$,		•			GROLD		3
The second secon	- Light		الموسد، ويعدو	e com	manufact and a	2 03 mm	ne es exercic		Actual Christian (TAI)	.w. ~250m	- areas home	3			7
NORTHERN PHALAROPE			พลงเลสสารและปรู้ เ	more to the second seco	ACOS CORTOCOLOGO E	1 - 12 - 1, to 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1		TERMELAY	W VINEROS (Chipat way.			e washing	200 Jr. 128
The standard and the st	are . Wini	1	Section of water of a	THE PROPERTY OF	120000 76 74 4 8 P MONEY	There a real			evrous turn.	E VERS TO THE SECOND	3			valle all and the second	DEPOSED A SPANISHED THE SPANIS
And by the statement of the section	consult a signal	Some or water traction is a distri-	Description of the State of the	AND AND THE PROPERTY OF THE PARTY OF THE PAR	Francisco re-despetation of the second secon	The set to proper to the set of t	-3	The produced between the	and an amount of the					was wrong	
BIRDS ONY	8 Succession to proceed the	28	24	decrease norm		bosomierano	- Inon-saline	3	2	4	15	20	15	was a strain	129
Description of the property of	damen can	A de a chantalema profession		dentare to state of	and the second section		S SIAMOIT	Section of the collections		- Security of the Security of	nunaarvun	- Add on the date of	expenses of the second		BIRDS/
CAPTACATES BOOK - THE CONTROL OF			g meneral mene	ara con na can na	and the second second	SNOTUNE TO TUPEZ	a. Ten su bernapalis	Constitution of the Consti		Accessed streets and	racer (Alabanada)			Constitution of the second	ARE
and the second of the second o	Calabra de um esta	el lacensor titta spromete	(२ ० १३८वास्त्रहरू सम्बद्धान्त्रस्	CONTRACTOR SHEAL SHE	A TAST AND MAN AND THE PROPERTY OF THE PARTY	Land SAFELINGS	refer a commence of	- CEL		and the second	PRO- PENSON PROPERTY.		The Street Control of		
\$\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	azet wy to de petitologis	Company of a self-self-	the second transfer of	Mrs. and relication of	makari siste u mak	mana ara matanaka finafi da Maja Jacob	September & woman of	ramenta i de servicio de la	anarmona z	me .				NOT MENT OF CONTACT OF A PERSON S	atoria non nonertano
E E E E E E E E E E E E E E E E E E E	erpoutroit e esonocomog	g omagnesse onaceter film south Ethic	and the same of	Company of the Company	مه وی دارد رسید داد س	COURTACANC AAACAT IN	W-1/2- 1 010.0	~warace======	E STANSON CONTRACTOR	A CONTRACTOR	Constitution and a supplier		d darence dans		2000 MATERIAL DE
and the contract of the Contract Announced the contract of the	rw d -mar		arrans Commission (Commission Commission Com	here become market from one of	and a state of the			Transferred and it of	armenned	***************************************	the section of the section of		Committee of the committee of	manne	The second secon
white of the state			Pad of Berblitt, Azop.		E. stocker		A POST OF THE PARTY OF THE PART	A 12 7 2 7 24 7 25 7 25 7 25 7 25 7 25 7 25	S. You down Call	20072	METHON AND	And Sand		yll on, pro	
egem ar kummer, kanasaman tern dentusa artuan tes dense y 1956 km. Paresi tet allama (1954) aran a funti gang	To the second	The second second	The state of the s		AND RESERVE OF THE PARTY OF THE		2	The state of the s	A STATE OF THE STA	2					THE THE STATE STATE OF THE STAT
THE CANADA SANDARD AND SANDARD PROSESSOR OF CONTRACT OF THE STREET OF PROSECULAR SANDARD SANDARD CONTRACT CONTR	eredinja e enemi	MANUE STANDARD TOLLOW	person or transmission and	A STANLEY OF		700 000 2 ca 1 c 6	and the state of the	را المارات ودوسي مد مد المارات ودوسي مد مد	DOWN STAND IN COLUMN STAND	THE WALL AND THE THE	- Leaves - L		The graph Manager and and the or the		THE PROPERTY OF THE PARTY OF TH
nder ermannen av villender tillagen grör ednisserellagen mindra sen prim i han sin, pånet þag detta varantleta sen sen fræ næ T	apara i e unimagi	Secretary Secretary October	was sold an organization	To the second second	and of a grant of the 2 V	Audren, St. Later Daderen, Look Park	- management	T	amountanion of	Par statement to be		-arwana m		SCHOOL SELECTION	with most receipt with most of the first
THE TALL AND AN AREA BLOOD TO AND THE PROPERTY AND THE PARTY AND AN AREA PROPERTY AND AN AREA PARTY.	Maryon o character	eatherness south	THE TURN OF MEN CAN	accini masu d	10 mmmm 1 mm 1 mm 1 mm 1 mm 1 mm 1 mm 1	11.10 minutes (11.00m)	or Publish Section of the section of	s. service de	The total of the form		Survey	THE MARKET CARREST	Primerapivo ustrezione	allarane de la company	The same of the sa
THE ENGINETY ACRESSANCE ACRESSANCES THE SERVICE TO SERVICE TO A SHARE THE PROPERTY OF THE SERVICE THE CONTRACT THE CONTRACT TO THE CONTRACT THE CONTRACT TO TH	1000 to 1,000000000000000000000000000000000000	power as respect to the second	102300 mount of 102 /2/1	Argus Sao and Property	Caster services	ad to provide the of	Section of the sectio		and a second	An antiganity	mi, og dære min e minke	more manufactured by	and other streets		terminate and the second
The section of managed animage of the Additional Associates and the Space of Additional Association with the managed and the Additional Association and the	Association of through		We will be the second of the s		A		Channe summed	e come	to and the state of the state o	- N. Le. ()					TO TAKE BASINESS AND
THE A SECTION OF CHECK CONTRACTOR LIGHTED MADE PROCESS AND THE SECTION OF THE SEC	mene men	mente larrae sand	on to describe the ret to the real of	of the land and the state of th	LONG UN TOLONO 25, TOL		~ C. To / To 20 00 00 1/2	review & EDULINA		od eramegrident of the parties of the	A service and the	- DUTE LEVEL ST	and the second	TERROR STANDARD SAME	
The second section of the second section of the second second section of the second section of the second s	and the sales of the sales of the	the state of the s	e france e france propose en community	The hands was the had	argotta z transas an	School Statem Control of the State of the St	ganna sour conce	Denger 6 2 Astron	o Alexandra de la finalesta e	mana una managa	A CONTRACT OF THE PROPERTY OF	Marie Walley	Designations of	App mout propriet of almost confer .	THE PROPERTY OF THE PROPERTY O
to the private or commence to the second popular control popular control and the control and the control of the	was your a marger	An extend to the dependent of the control of the co	CENTRAL CONTRACTOR			of Calebraters, I am	and the state of t	grammer of a second	n seemales.	weeper The	was avoid	BRIGHTON	Vacarrani —		CONTRACTOR SERVED PROPERTY.
of a communication of the communication of the contract of the	CE 12,1 LANGE	one than total	*#* phys. 1 amply	יל ישר אמני אינו אינו אינו אינו אינו אינו אינו אי	than construction	Moreson	Jameshan c co) established	mar van ja	\$ \$ \$	-07 × = 2×	CHarry,		THE PART OF THE PARTY OF THE PA	and the southern training
constitution discount do all Advanta and to make a fire a street of the Market of the	איייי איייי אייייייייייייייייייייייייי	partition or a	• #44470000	ESON - DE ARRAY ES	\$ +11 A ME 13 B CON 1976	be a survey of	Salar Sa	NACE AND S		TANKS.		- 10000 8 10	WALLEY TO THE STATE OF THE STAT		THE VIEWS AND TO MA
promised wall from the or or marriage from the work with the product with the	4			S. J.C.	S. P.		9		Jer of CE	er grandord	1	THE RELEASE PROPERTY.			
	Comme	hear administrate to be delicated to the state of the sta	d dra	la Philippa	1	4	A 67% Aleens S		EVENDANCE VS	o g				A CHICAGO CONTRACTOR OF THE STATE OF THE STA	
Tomore a memorane and make to have a make to be a companion of the compani	200	l asserve de de la constante d	And Commercial	4	A LURE	3	me vacrourse		10 miles			1	THE RESERVE OF THE PERSON OF T		
	1		-	8	40	1	4		Land I	***************************************		9	47		ACCIONATION -
All out the same and their am de to the and the major and because on the same and t			1	100.0000	and an action		remedinas d	ppencil July	A MARKET BOWN THE	reduct of	nu.ar nr	A PARTY	THE COURT OF	Comments of the Comments of th	THE PROPERTY OF THE PARTY OF TH

DE 1 2010 2 ZOIJE 3 ZOIJE 47323 47324 47323 47324 47324 47324 47324 47324 47324 47324 4732

20NC (47417 47554 1955HT - 855HT -

				ARG	EA 5	EA	stro	AC	-06	o C R	ockAW	44		pecies/APER
5						-30							2019	Pecl /
	19	20	21	22	2,3	24	25	26	27	28	29 30	0	TOTAL	
BROWN BOOBY			1	20	5				10	2				
OFU FOOTED BOOBY	(-1		7		<u>ب</u>				VO	~			38	
				16	37				1				63 57	
BLUE FACED BOOBY			لب	1	3 1								3 /	
UNID BOOBY			20	1				1				1	49	
LEACH'S STORM PETREL	12											1	,	
SOOTY STORM PETREL	,		2									,	2	
HORNBY'S STORM PETREL		2										,	3	
UNID. STORMY PETREL				1								٠	,	
WHITE GADELY PETREL													-	
UNID. FRIGATE BIRIDS		1			10	15			15				141	
COMPANIED TO THE PARTY OF THE P														
UNID TERN		1	2		10				- 1				14	
BROWN ? PEUCAN	-					3			200				203	
NEW ELLS SHEARWATER	2	2			10				,	32			42	
NORTHERN PHALAROPE	- Tours		20	45	35	•							100	
UNID SANDPIPER				_ 1									1	
DUNLIN SANDPIPER				1	l								2	
DUCKS LUNID.)										8			00	
WID. WARBLER		1											1	
EASTERN KINGBIRD			2										2	1
TOTAL NO.	476	14	61	86	108	18	0	0	227	43			732	} ∮
BIRDS/DAY	178	•											734	BIEDS AREA
		- 1			,									
								1		-		1		-
Grant and a											-			-

•



	•			AUG	OST	- SE	PTEN	v Ben	2 196	7	RockAu			
	AU6	AU6		AUG 28								September 1	YES .	
	1 -	_(~_	~	20			•	ha pro	~ 3	£ [TOTAL	al/specres	
GREEN TURRES			2			8		1		8		19		
							2.42						-	
PILOT WHALES		1000					20					1020		
SPOTTED DOLPHING			r	2					20			, 22		
WHITE BELLIED DOLPHIN									1			. 1		
UNID. DOLPHAN	25								- 1			26		
TOTAL NO.	25	1000	4.	2		瘤	20	*	22	*		1069	TOTAL & MAMM SEEN DURING SURVEY	ACS
													SURVEY	-
						•								
													P)	
													**	
													†	4 10.
														٠ .
													.	
													4	
								1						
		5								1				
F TO ST. ST.		T _s as	5010 000		w				-		hot y r -			
Zichoo — o do-										-		boo		-
	-	-		-					-	-		-	, , , , , , , , , , , , , , , , , , , ,	
												-		
						-								-
											-			
		-	-	-							1	-		
														-